```
=> d his

     (FILE 'HOME' ENTERED AT 21:32:26 ON 13 AUG 2010)

     FILE 'REGISTRY' ENTERED AT 21:32:41 ON 13 AUG 2010
L1             STRUCTURE UPLOADED
L2              24 S L1
L3             409 S L1 FULL

=> d que l3 stat
L1             STR
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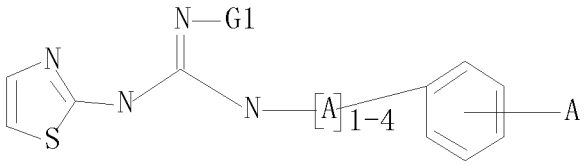


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G1 H,O,C,SO2,Cy


Structure attributes must be viewed using STN Express query preparation.
L3             409 SEA FILE=REGISTRY SSS FUL L1

100.0% PROCESSED    8104 ITERATIONS                          409 ANSWERS
SEARCH TIME: 00.00.01



=> s l3 and caplus/lc
      71939397 CAPLUS/LC
L4            293 L3 AND CAPLUS/LC

=> s l3 not l4
L5            116 L3 NOT L4

=> s l5 and ed<2/15/2005
      80740284 ED<2/15/2005
                  (ED<20050215)
L6             45 L5 AND ED<2/15/2005

=> d 1-45 ide can
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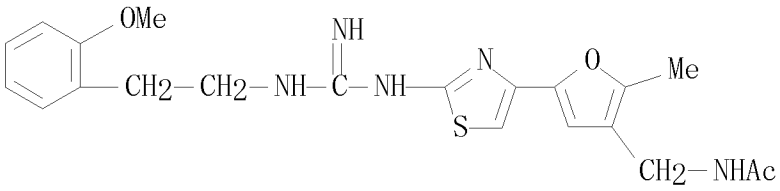
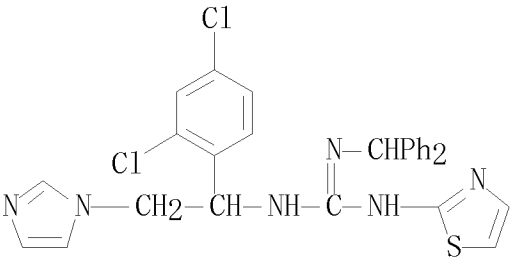
L6 ANSWER 1 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 791572-19-5 REGISTRY
ED Entered STN: 02 Dec 2004
CN Acetamide, N-[[5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-methyl-3-furanyl]methyl]- (CA INDEX NAME)
MF C21 H25 N5 O3 S
CI COM
SR CA



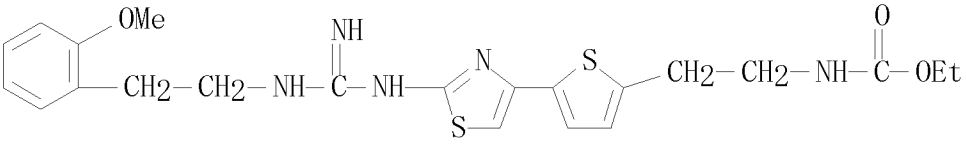
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 2 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 780035-07-6 REGISTRY
ED Entered STN: 14 Nov 2004
CN Guanidine, N-[1-(2,4-dichlorophenyl)-2-(1H-imidazol-1-yl)ethyl]-N'-(diphenylmethyl)-N''-2-thiazolyl- (CA INDEX NAME)
MF C28 H24 Cl2 N6 S
CI COM
SR CA



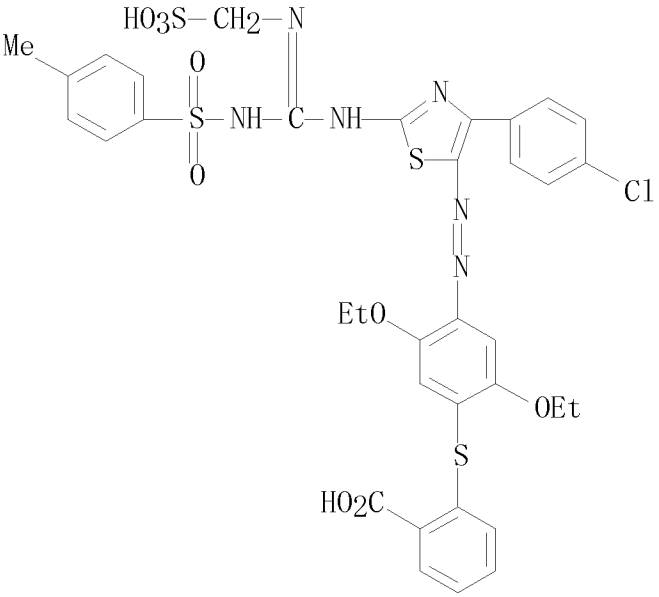
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 3 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 768339-78-2 REGISTRY
ED Entered STN: 24 Oct 2004
CN Carbamic acid, [2-[5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-thienyl]ethyl]-, ethyl ester (9CI) (CA INDEX NAME)
MF C22 H27 N5 O3 S2
CI COM
SR CA



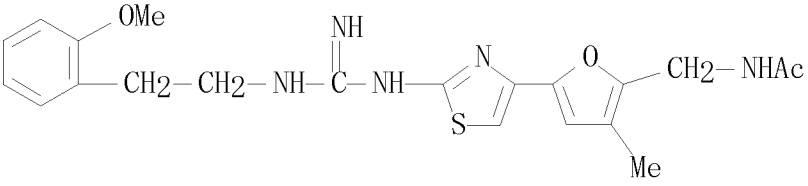
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 4 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 766504-26-1 REGISTRY
ED Entered STN: 21 Oct 2004
CN Benzoic acid, 2-[[4-[2-[4-(4-chlorophenyl)-2-[[[[(4-methylphenyl)sulfonyl]amino][(sulfomethyl)imino]methyl]amino]-5-thiazolyl]diazenyl]-2,5-diethoxyphenyl]thio]- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzoic acid, 2-[[4-[[4-(4-chlorophenyl)-2-[[[[(4-methylphenyl)sulfonyl]amino][(sulfomethyl)amino]methylene]amino]-5-thiazolyl]azo]-2,5-diethoxyphenyl]thio]- (9CI)
MF C35 H33 Cl N6 O9 S4
CI COM
SR CA



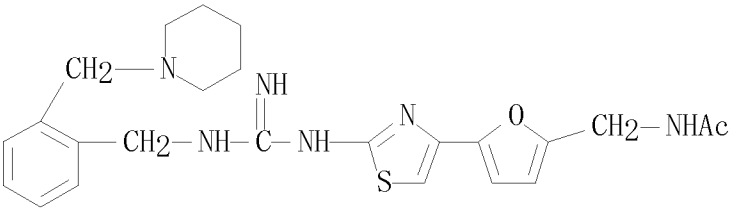
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 5 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 765256-77-7 REGISTRY
ED Entered STN: 19 Oct 2004
CN Acetamide, N-[[5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-3-methyl-2-furanyl]methyl]- (CA INDEX NAME)
MF C21 H25 N5 O3 S
CI COM
SR CA



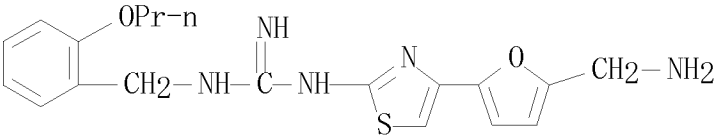
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 6 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 763903-17-9 REGISTRY
ED Entered STN: 15 Oct 2004
CN Acetamide, N-[[5-[2-[[imino[[[2-(1-piperidinylmethyl)phenyl]methyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)
MF C24 H30 N6 O2 S
CI COM
SR CA



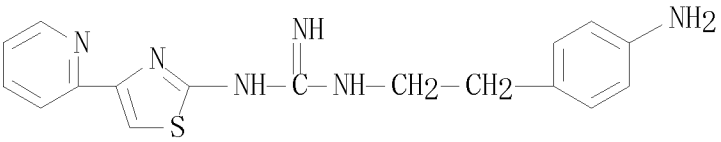
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 7 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 760150-11-6 REGISTRY
ED Entered STN: 11 Oct 2004
CN Guanidine, N-[4-[5-(aminomethyl)-2-furanyl]-2-thiazolyl]-N'-[(2-propoxyphenyl)methyl]- (CA INDEX NAME)
MF C19 H23 N5 O2 S
CI COM
SR CA



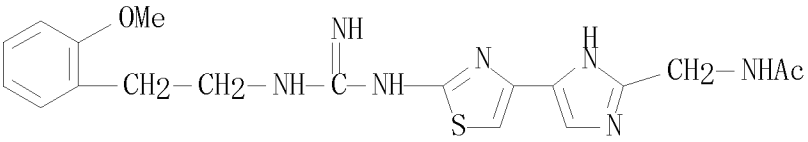
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 8 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 759414-54-5 REGISTRY
ED Entered STN: 08 Oct 2004
CN Guanidine, N-[2-(4-aminophenyl)ethyl]-N'-[4-(2-pyridinyl)-2-thiazolyl]-
(CA INDEX NAME)
MF C17 H18 N6 S
CI COM
SR CA



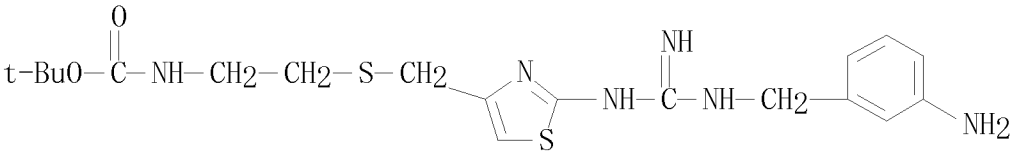
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 9 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 757934-21-7 REGISTRY
ED Entered STN: 07 Oct 2004
CN Acetamide, N-[[5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-1H-imidazol-2-yl]methyl]- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Acetamide, N-[[4-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-1H-imidazol-2-yl]methyl]- (9CI)
MF C19 H23 N7 O2 S
CI COM
SR CA



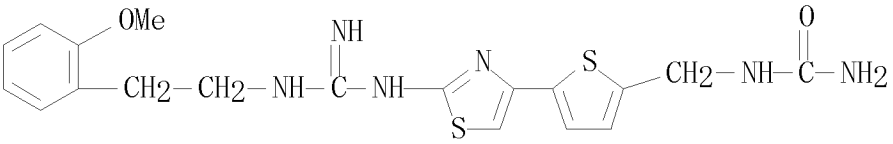
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 10 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 757922-25-1 REGISTRY
ED Entered STN: 06 Oct 2004
CN Carbamic acid, [2-[[[2-[[[[(3-aminophenyl)methyl]amino]iminomethyl]amino]-4-thiazolyl]methyl]thio]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
MF C19 H28 N6 O2 S2
CI COM
SR CA
LC STN Files: CASREACT



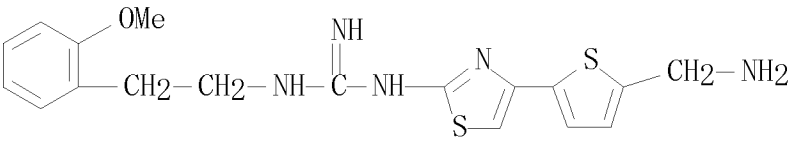
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 11 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 750550-67-5 REGISTRY
ED Entered STN: 24 Sep 2004
CN Urea, N-[[5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-thienyl]methyl]- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Urea, [[5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-thienyl]methyl]- (9CI)
MF C19 H22 N6 O2 S2
CI COM
SR CA



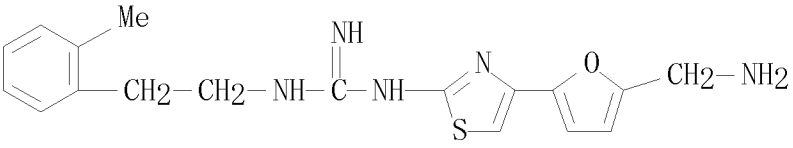
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 12 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 748749-26-0 REGISTRY
ED Entered STN: 21 Sep 2004
CN Guanidine, N-[4-[5-(aminomethyl)-2-thienyl]-2-thiazolyl]-N'-[2-(2-methoxyphenyl)ethyl]- (CA INDEX NAME)
MF C18 H21 N5 O S2
CI COM
SR CA



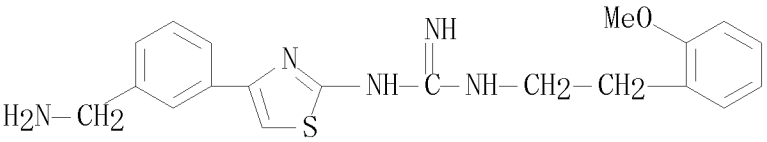
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 13 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 748746-14-7 REGISTRY
ED Entered STN: 21 Sep 2004
CN Guanidine, N-[4-[5-(aminomethyl)-2-furanyl]-2-thiazolyl]-N'-[2-(2-methylphenyl)ethyl]- (CA INDEX NAME)
MF C18 H21 N5 O S
CI COM
SR CA



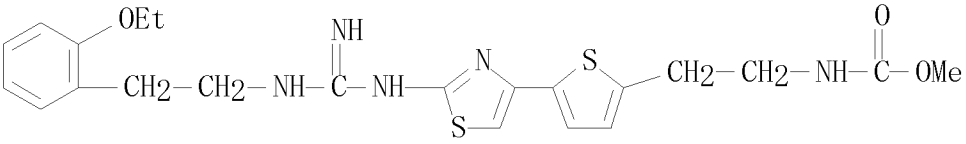
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 14 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 733720-85-9 REGISTRY
ED Entered STN: 27 Aug 2004
CN Guanidine, N-[4-[3-(aminomethyl)phenyl]-2-thiazolyl]-N'-[2-(2-methoxyphenyl)ethyl]- (CA INDEX NAME)
MF C20 H23 N5 O S
CI COM
SR CA



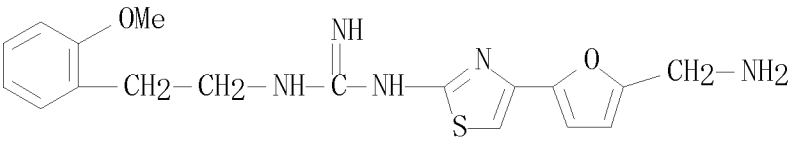
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 15 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 724418-81-9 REGISTRY
ED Entered STN: 08 Aug 2004
CN Carbamic acid, [2-[5-[2-[[[[2-(2-ethoxyphenyl)ethyl]amino]iminomethyl]amino]-4-thiazolyl]-2-thienyl]ethyl]-, methyl ester (9CI) (CA INDEX NAME)
MF C22 H27 N5 O3 S2
CI COM
SR CA



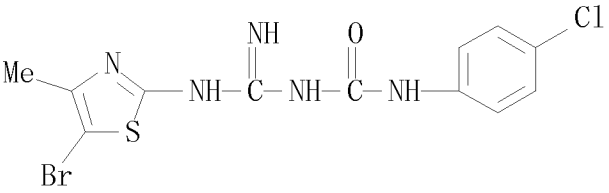
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 16 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 719992-95-7 REGISTRY
ED Entered STN: 30 Jul 2004
CN Guanidine, N-[4-[5-(aminomethyl)-2-furanyl]-2-thiazolyl]-N'-[2-(2-methoxyphenyl)ethyl]- (CA INDEX NAME)
MF C18 H21 N5 O2 S
CI COM
SR CA



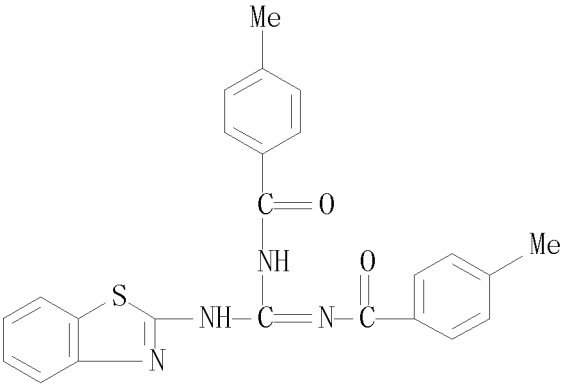
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 17 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 672884-90-1 REGISTRY
ED Entered STN: 08 Apr 2004
CN Urea, N-[[(5-bromo-4-methyl-2-thiazolyl)amino]iminomethyl]-N'-(4-chlorophenyl)- (CA INDEX NAME)
MF C12 H11 Br Cl N5 O S
SR Chemical Library
Supplier: Maybridge plc
LC STN Files: CHEMCATS



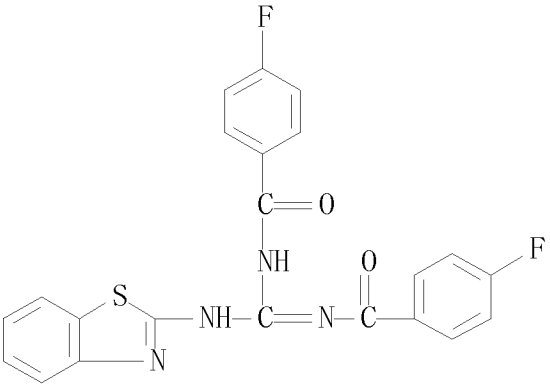
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 18 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 543696-66-8 REGISTRY
ED Entered STN: 07 Jul 2003
CN Benzamide, N,N'-(2-benzothiazolylcarbonimidoyl)bis[4-methyl- (9CI) (CA INDEX NAME)
MF C24 H20 N4 O2 S
SR Chemical Library
Supplier: Ambinter
LC STN Files: CHEMCATS



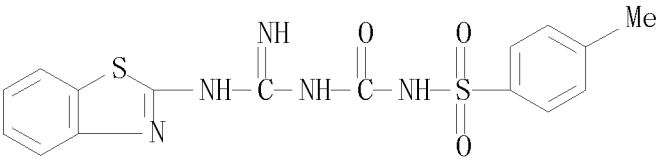
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 19 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 497231-28-4 REGISTRY
ED Entered STN: 10 Mar 2003
CN Benzamide, N,N'-(2-benzothiazolylcarbonimidoyl)bis[4-fluoro- (9CI) (CA INDEX NAME)
MF C22 H14 F2 N4 O2 S
SR Chemical Library
Supplier: Interchim
LC STN Files: CHEMCATS



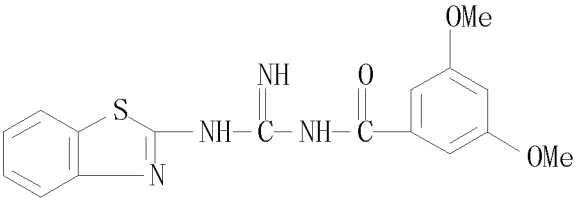
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 20 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 402604-17-5 REGISTRY
ED Entered STN: 22 Mar 2002
CN Benzenesulfonamide, N-[[[amino(2-benzothiazolylamino)methyl]amino]carbonyl]-4-methyl- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzenesulfonamide, N-[[[amino(2-benzothiazolylamino)methylene]amino]carbonyl]-4-methyl- (9CI)
MF C16 H15 N5 O3 S2
SR Chemical Library
Supplier: Ambinter
LC STN Files: CHEMCATS



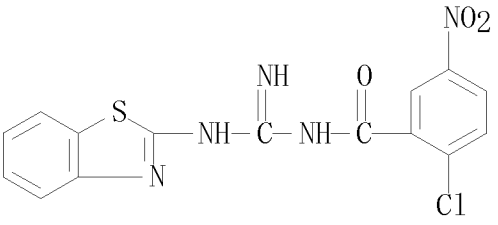
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 21 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 378215-49-7 REGISTRY
ED Entered STN: 26 Dec 2001
CN Benzamide, N-[(2-benzothiazolylamino)iminomethyl]-3,5-dimethoxy- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzamide, N-[amino(2-benzothiazolylamino)methylene]-3,5-dimethoxy- (9CI)
MF C17 H16 N4 O3 S
SR Chemical Library
Supplier: Interbioscreen Ltd.
LC STN Files: CHEMCATS



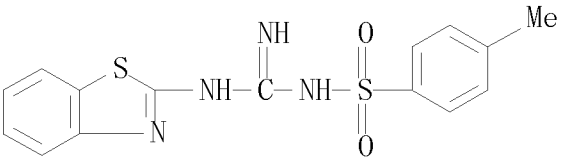
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 22 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 377059-19-3 REGISTRY
ED Entered STN: 20 Dec 2001
CN Benzamide, N-[(2-benzothiazolylamino)iminomethyl]-2-chloro-5-nitro- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzamide, N-[amino(2-benzothiazolylamino)methylene]-2-chloro-5-nitro- (9CI)
MF C15 H10 Cl N5 O3 S
SR Chemical Library
Supplier: Ambinter
LC STN Files: CHEMCATS



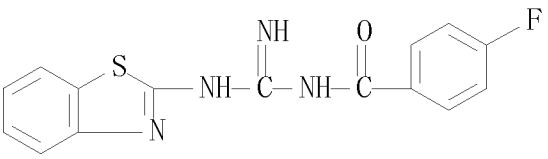
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 23 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 376370-41-1 REGISTRY
ED Entered STN: 18 Dec 2001
CN Benzenesulfonamide, N-[(2-benzothiazolylamino)iminomethyl]-4-methyl- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzenesulfonamide, N-[amino(2-benzothiazolylamino)methylene]-4-methyl- (9CI)
MF C15 H14 N4 O2 S2
CI COM
SR Chemical Library
Supplier: ChemBridge Corporation
LC STN Files: CHEMCATS



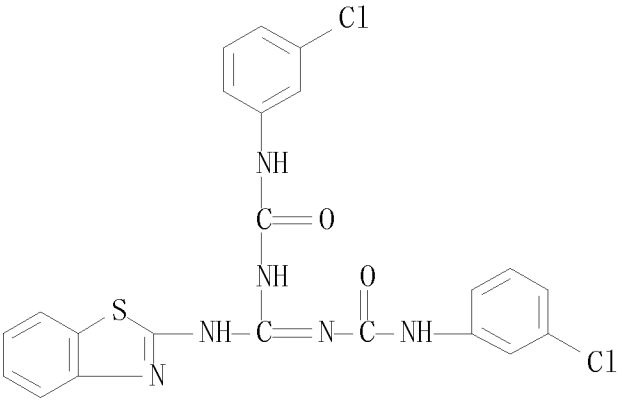
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 24 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 375833-43-5 REGISTRY
ED Entered STN: 17 Dec 2001
CN Benzamide, N-[(2-benzothiazolylamino)iminomethyl]-4-fluoro- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzamide, N-[amino(2-benzothiazolylamino)methylene]-4-fluoro- (9CI)
MF C15 H11 F N4 O S
SR Chemical Library
Supplier: Interbioscreen Ltd.
LC STN Files: CHEMCATS



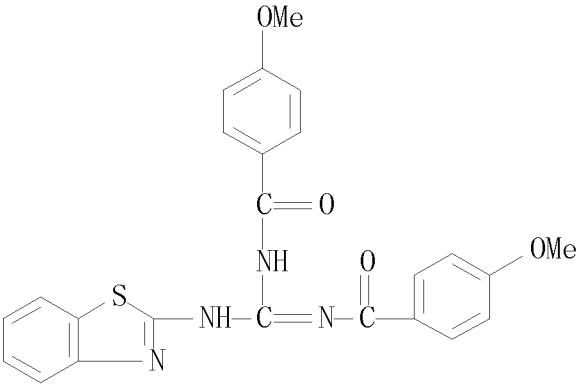
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 25 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 375828-75-4 REGISTRY
ED Entered STN: 17 Dec 2001
CN Urea, N,N''-(2-benzothiazolylcarbonimidoyl)bis[N'-(3-chlorophenyl)- (9CI) (CA INDEX NAME)
MF C22 H16 Cl2 N6 O2 S
SR Chemical Library
Supplier: Interbioscreen Ltd.
LC STN Files: CHEMCATS



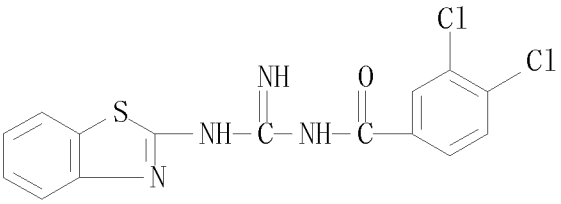
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 26 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 374916-99-1 REGISTRY
ED Entered STN: 13 Dec 2001
CN Benzamide, N,N'-(2-benzothiazolylcarbonimidoyl)bis[4-methoxy- (9CI) (CA INDEX NAME)
MF C24 H20 N4 O4 S
SR Chemical Library
Supplier: Interbioscreen Ltd.
LC STN Files: CHEMCATS



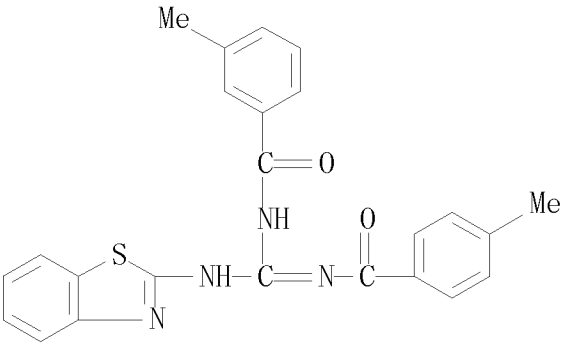
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 27 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 372503-46-3 REGISTRY
ED Entered STN: 30 Nov 2001
CN Benzamide, N-[(2-benzothiazolylamino)iminomethyl]-3,4-dichloro- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzamide, N-[amino(2-benzothiazolylamino)methylene]-3,4-dichloro- (9CI)
MF C15 H10 Cl2 N4 O S
SR Chemical Library
Supplier: Interbioscreen Ltd.
LC STN Files: CHEMCATS



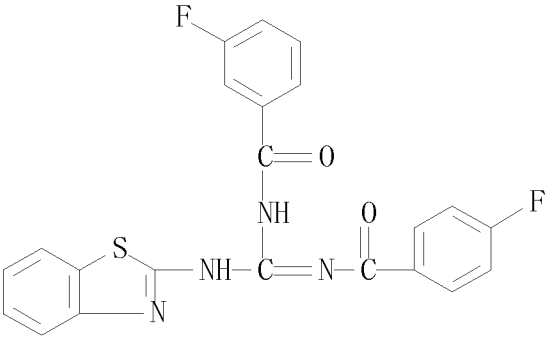
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 28 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 364741-51-5 REGISTRY
ED Entered STN: 26 Oct 2001
CN Benzamide, N-[(2-benzothiazolylamino)[(4-methylbenzoyl)amino]methylene]-3-methyl- (CA INDEX NAME)
MF C24 H20 N4 O2 S
SR Chemical Library
Supplier: Enamine
LC STN Files: CHEMCATS



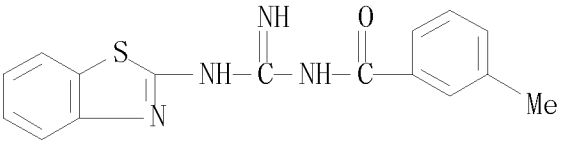
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 29 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 364739-83-3 REGISTRY
ED Entered STN: 26 Oct 2001
CN Benzamide, N-[(2-benzothiazolylamino)[(4-fluorobenzoyl)amino]methylene]-3-fluoro- (CA INDEX NAME)
MF C22 H14 F2 N4 O2 S
SR Chemical Library
Supplier: Interbioscreen Ltd.
LC STN Files: CHEMCATS



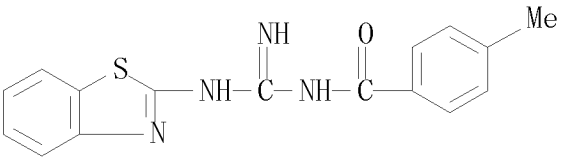
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 30 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 356086-74-3 REGISTRY
ED Entered STN: 12 Sep 2001
CN Benzamide, N-[(2-benzothiazolylamino)iminomethyl]-3-methyl- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzamide, N-[amino(2-benzothiazolylamino)methylene]-3-methyl- (9CI)
MF C16 H14 N4 O S
SR Chemical Library
Supplier: Interbioscreen Ltd.
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 31 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 352659-22-4 REGISTRY
ED Entered STN: 27 Aug 2001
CN Benzamide, N-[(2-benzothiazolylamino)iminomethyl]-4-methyl- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzamide, N-[amino(2-benzothiazolylamino)methylene]-4-methyl- (9CI)
MF C16 H14 N4 O S
SR Chemical Library
Supplier: Interbioscreen Ltd.
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 32 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 260443-24-1 REGISTRY
ED Entered STN: 31 Mar 2000
CN Benzenesulfonamide, N-[imino[(4-methyl-2-thiazolyl)amino]methyl]-4-methyl- (CA INDEX NAME)
OTHER CA INDEX NAMES:
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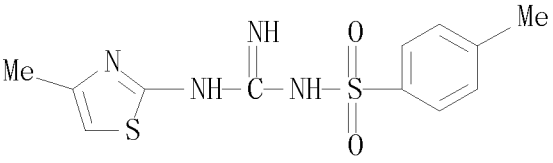
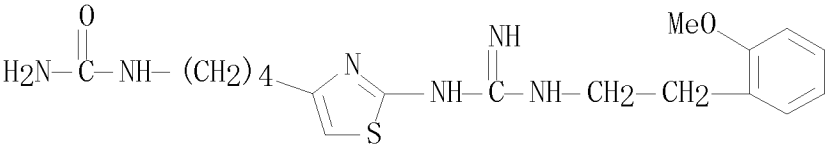
MF C12 H14 N4 O2 S2
SR CAS Client Services



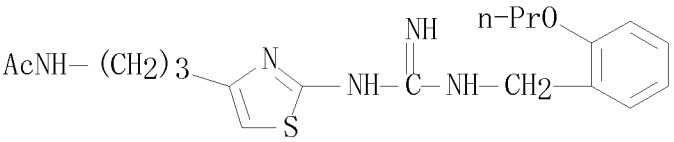
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 33 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 186686-86-2 REGISTRY
ED Entered STN: 05 Mar 1997
CN Urea, N-[4-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]butyl]- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Urea, [4-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]butyl]- (9CI)
MF C18 H26 N6 O2 S
CI COM
SR CA



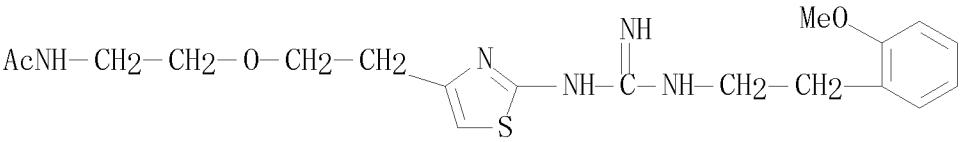
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 34 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 186686-75-9 REGISTRY
ED Entered STN: 05 Mar 1997
CN Acetamide, N-[3-[2-[[imino[[(2-propoxyphenyl)methyl]amino]methyl]amino]-4-thiazolyl]propyl]- (CA INDEX NAME)
MF C19 H27 N5 O2 S
CI COM
SR CA



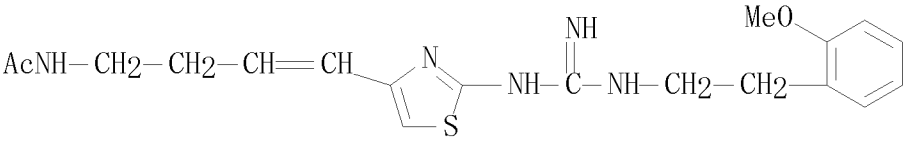
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 35 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 186686-69-1 REGISTRY
ED Entered STN: 05 Mar 1997
CN Acetamide, N-[2-[2-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]ethoxy]ethyl]- (CA INDEX NAME)
MF C19 H27 N5 O3 S
CI COM
SR CA



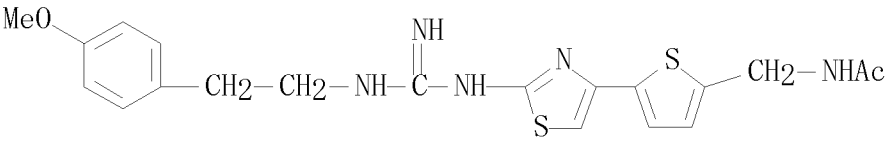
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 36 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 186686-61-3 REGISTRY
ED Entered STN: 05 Mar 1997
CN Acetamide, N-[4-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-3-buten-1-yl]- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Acetamide, N-[4-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-3-butenyl]- (9CI)
MF C19 H25 N5 O2 S
CI COM
SR CA



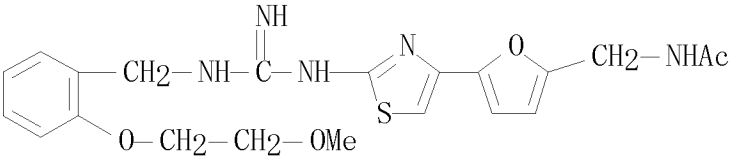
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 37 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 184581-90-6 REGISTRY
ED Entered STN: 01 Jan 1997
CN Acetamide, N-[[5-[2-[[imino[[2-(4-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-thienyl]methyl]- (CA INDEX NAME)
MF C20 H23 N5 O2 S2
CI COM
SR CA



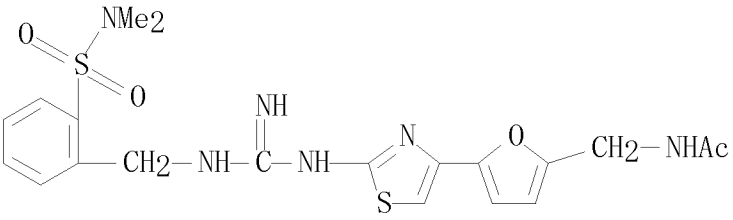
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 38 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 168970-95-4 REGISTRY
ED Entered STN: 17 Oct 1995
CN Acetamide, N-[[5-[2-[[imino[[[2-(2-methoxyethoxy)phenyl]methyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)
MF C21 H25 N5 O4 S
CI COM
SR CA



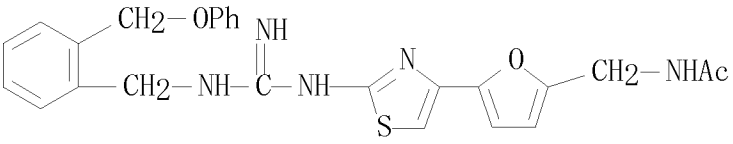
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 39 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 168970-92-1 REGISTRY
ED Entered STN: 17 Oct 1995
CN Acetamide, N-[[5-[2-[[[[[2-[(dimethylamino)sulfonyl]phenyl]methyl]amino]iminomethyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)
MF C20 H24 N6 O4 S2
CI COM
SR CA



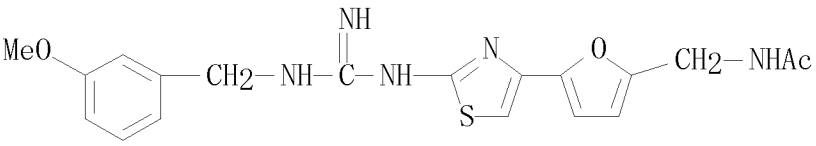
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 40 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 168970-88-5 REGISTRY
ED Entered STN: 17 Oct 1995
CN Acetamide, N-[[5-[2-[[imino[[[2-(phenoxymethyl)phenyl]methyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)
MF C25 H25 N5 O3 S
CI COM
SR CA



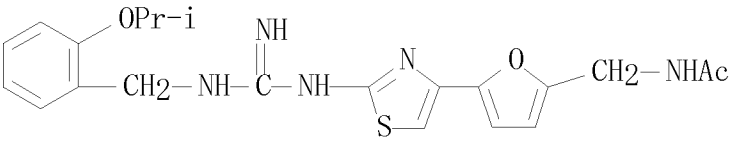
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 41 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 168970-79-4 REGISTRY
ED Entered STN: 17 Oct 1995
CN Acetamide, N-[[5-[2-[[imino[[(3-methoxyphenyl)methyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)
MF C19 H21 N5 O3 S
CI COM
SR CA



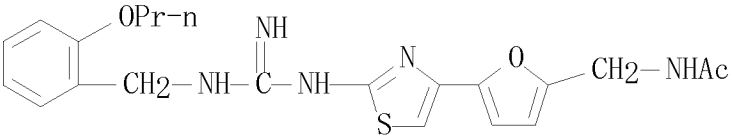
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 42 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 168970-75-0 REGISTRY
ED Entered STN: 17 Oct 1995
CN Acetamide, N-[[5-[2-[[imino[[[2-(1-methylethoxy)phenyl]methyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)
MF C21 H25 N5 O3 S
CI COM
SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 43 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 168970-71-6 REGISTRY
ED Entered STN: 17 Oct 1995
CN Acetamide, N-[[5-[2-[[imino[[(2-propoxyphenyl)methyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)
MF C21 H25 N5 O3 S
CI COM
SR CA



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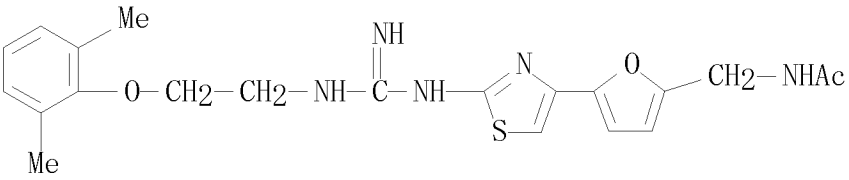
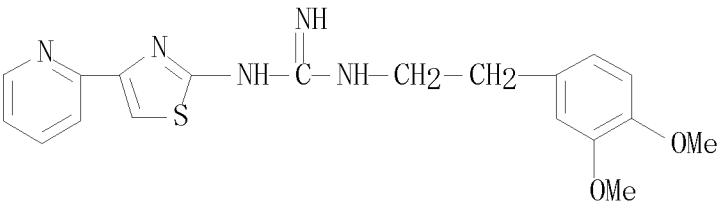
L6 ANSWER 44 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 168970-52-3 REGISTRY
ED Entered STN: 17 Oct 1995
CN Acetamide, N-[[5-[2-[[[[2-(2,6-dimethylphenoxy)ethyl]amino]iminomethyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)
MF C21 H25 N5 O3 S
CI COM
SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 45 OF 45 REGISTRY COPYRIGHT 2010 ACS on STN
RN 90489-11-5 REGISTRY
ED Entered STN: 16 Nov 1984
CN Guanidine, N-[2-(3,4-dimethoxyphenyl)ethyl]-N'-[4-(2-pyridinyl)-2-thiazolyl]- (CA INDEX NAME)
MF C19 H21 N5 O2 S
CI COM



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REVISED CLASS FIELDS (/NCL) LAST RELOADED:  Jun 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE:  Jun 2010

CAplus now includes complete International Patent Classification (IPC)
reclassification data for the second quarter of 2010.

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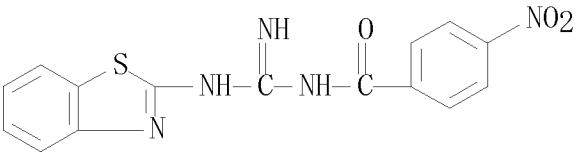
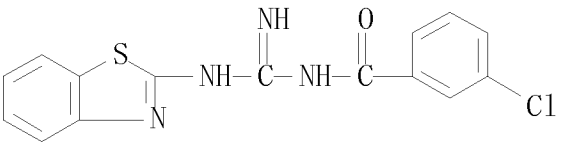
L7 ANSWER 1 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2009:190453 CAPLUS
DOCUMENT NUMBER: 151:543259
TITLE: Cardioprotective properties of benzoxy(thia)azol guanidine derivatives
AUTHOR(S): Matasova, L. V.; Kryl'skii, D. V.; Popova, T. N.; Makeeva, A. V.; Shikhaliev, Kh. S.
CORPORATE SOURCE: Voronezh. Gos. Univ., Voronezh, Russia
SOURCE: Voprosy Biologicheskoi, Meditsinskoi i Farmatsevticheskoi Khimii (2008), (6), 56-58
CODEN: VBMFBA; ISSN: 1560-9596
PUBLISHER: Izdatel'stvo "Folium"
DOCUMENT TYPE: Journal
LANGUAGE: Russian
ABSTRACT:
Cardioprotective and anti-ischemia activities were predicted for the synthetic benzoxy(thia)azolil guanidine derivs. using the method of computer prognosis. When 3-chlorbenzoilbenzthiasolil-guanidine injected into rats with myocardial infarction, it decreased aspartate aminotransferase and creatine kinase MB activities in animal blood serum. That could be an evidence of cardioprotective properties of this guanidine derivative In accordance with the results of biochemiluminescence parameters registration, concentration of lipid peroxide oxidation products, and catalase activity, the decrease of oxidative stress degree in blood serum and heart of rats was noted.

IT 352659-23-5 376613-14-8
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(cardioprotective properties of benzoxy(thia)azol guanidine derivs.)
RN 352659-23-5 CAPLUS
CN Benzamide, N-[(2-benzothiazolylamino)iminomethyl]-4-nitro- (CA INDEX NAME)



RN 376613-14-8 CAPLUS
CN Benzamide, N-[(2-benzothiazolylamino)iminomethyl]-3-chloro- (CA INDEX NAME)



L7 ANSWER 2 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2007:873517 CAPLUS
DOCUMENT NUMBER: 147:227229
TITLE: Compounds and methods for modulating protein trafficking and their use for treatment of associated diseases
INVENTOR(S): Bulawa, Christine; Devit, Michael
PATENT ASSIGNEE(S): Foldrx Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 237 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007089548	A2	20070809	WO 2007-US2102	20070126
WO 2007089548	A3	20080612		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA				
AU 2007210159	A1	20070809	AU 2007-210159	20070126
CA 2640454	A1	20070809	CA 2007-2640454	20070126
EP 1976839	A2	20081008	EP 2007-717027	20070126
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, RS				
JP 2009525966	T	20090716	JP 2008-552417	20070126
ZA 2008007318	A	20100224	ZA 2008-7318	20080825
NO 2008003670	A	20081027	NO 2008-3670	20080826
CN 101410384	A	20090415	CN 2007-80010994	20080926
US 20100004277	A1	20100107	US 2009-162143	20090310

PRIORITY APPLN. INFO.:

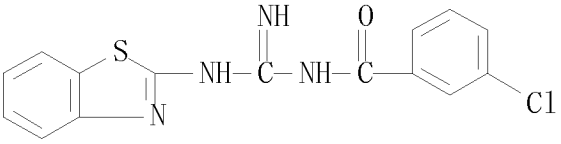
US 2006-762955P	P	20060126
US 2006-857940P	P	20061109
WO 2007-US2102	W	20070126

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 147:227229
ABSTRACT:
Disclosed are compns. and methods for modulating protein trafficking and treating or preventing disorders characterized by impaired protein trafficking. Also disclosed are methods for identification of compds. that rescue protein trafficking defects and methods of enhancing protein production Certain compds. that rescue cells from α-synuclein toxicity also to restore growth of yptlts cells, where the yeast mutant cell line yptlts contains an allele of YPT1 that has two point mutations with a recessive loss of protein trafficking phenotype at the restrictive temps. In addition, doxorubicin, cycloheximide, hygromycin, novobiocin, aureobasidin, tunicamycin, and proteosome inhibitors

such as bortezomib, also restore growth of a yptlts mutant. Thus, these compds. can be used to treat or prevent a variety of disorders characterized by impaired protein trafficking. Compds. identified in the yptlts mutant rescue screening assay can stabilize the ΔF508 CFTR protein, and thus are useful in treating cystic fibrosis. Compds. were also identified that restore growth of temperature-sensitive mutants of the SAR1 and SEC23 genes.

IT 376613-14-8 396099-46-0
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(compds. and methods for modulating protein trafficking and their use for treatment of associated diseases)

RN 376613-14-8 CAPLUS
CN Benzamide, N-[(2-benzothiazolylamino)iminomethyl]-3-chloro- (CA INDEX NAME)



RN 396099-46-0 CAPLUS
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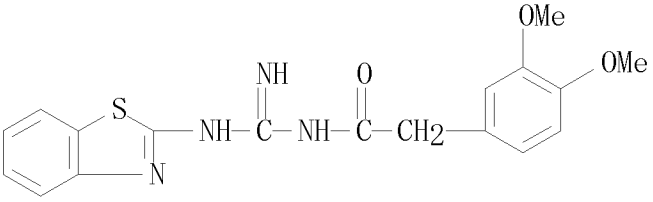
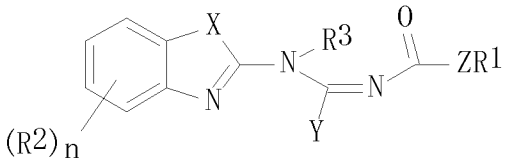


OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L7 ANSWER 3 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2006:298791 CAPLUS
DOCUMENT NUMBER: 144:350664
TITLE: Heterocyclic compounds, compositions and methods of inhibiting α-synuclein toxicity and diseases in which α-synuclein fibrils are a symptom
INVENTOR(S): Lindquist, Susan L.; Outeiro, Tiago; Labaudiniere, Richard
PATENT ASSIGNEE(S): Whitehead Institute for Biomedical Research, USA; Foldrx Pharmaceuticals, Inc.
SOURCE: PCT Int. Appl., 263 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006034003	A2	20060330	WO 2005-US33050	20050916
WO 2006034003	A3	20060713		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
AU 2005287137	A1	20060330	AU 2005-287137	20050916
CA 2580767	A1	20060330	CA 2005-2580767	20050916
EP 1802303	A2	20070704	EP 2005-813951	20050916
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
CN 101060839	A	20071024	CN 2005-80039303	20050916
JP 2008513471	T	20080501	JP 2007-532478	20050916
BR 2005015549	A	20080729	BR 2005-15549	20050916
NO 2007001860	A	20070605	NO 2007-1860	20070413
ZA 2007003110	A	20080827	ZA 2007-3110	20070416
US 20080261953	A1	20081023	US 2008-575481	20080111
PRIORITY APPLN. INFO.:			US 2004-610796P P	20040917
			WO 2005-US33050 W	20050916

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 144:350664
GRAPHIC IMAGE:

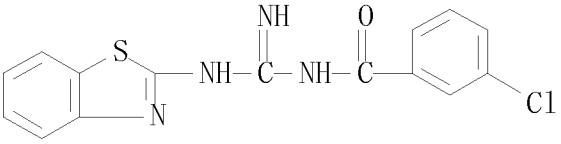


I

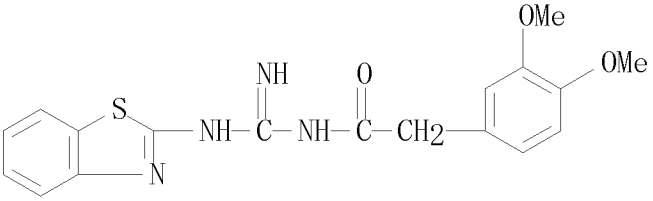
ABSTRACT:
Compds. and compns. are provided for treatment or amelioration of one or more symptoms of α-synuclein toxicity, α-synuclein mediated diseases or diseases in which α-synuclein fibrils are a symptom or cause of the disease. In one embodiment, the compds. for use in the compns. and methods are heteroaryl acylguanidines, heteroarylhydrazones, dihydropyridones, heteroaryl and aryl styryl ketones, and heteroarylpyrazoles. One class of the compds. claimed is represented by the general formula I (wherein, X = O, S or NR, where R = H, alkyl, alkenyl, alkynyl, cycloalkyl, heterocyclyl, aryl, heteroaryl or aralkyl; Y = NRR' or OH; where R' = H, alkyl, alkenyl, alkynyl, cycloalkyl, heterocyclyl, aryl, heteroaryl or aralkyl; Z = a direct bond or NR; R1 = H, alkyl, alkenyl, alkynyl, cycloalkyl, heterocyclyl, aryl, heteroaryl, aralkyl, aralkenyl, heteroaralkyl or heteroaralkenyl; n = 0-4; R2 = (i) H, alkyl, alkenyl, alkynyl, aryl, heteroaryl, heteroarylium, etc. or [ii] any 2 R2 groups, which substitute adjacent atoms on the ring, together form alkylene, alkenylene, alkynylene or heteroalkylene; R3 = H, alkyl, alkenyl, alkynyl, cycloalkyl, heterocyclyl, aryl or heteroaryl; wherein X, Y, Z, R1, R2 and R3 are each independently unsubstituted or substituted). Methods for preparing the various classes of heterocycles are exemplified. In an assay that measured the ability of the compds. to rescue humanized yeast cells from α-synuclein toxicity, the compds. of the invention had MRC (min. rescue concentration) values of < 300μM.

IT 376613-14-8P 396099-46-0P 881419-99-4P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; heterocyclic compds., compns. and methods of inhibiting α-synuclein toxicity and diseases in which α-synuclein fibrils are a symptom)

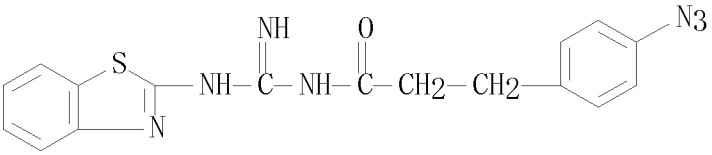
RN 376613-14-8 CAPLUS
CN Benzamide, N-[(2-benzothiazolylamino)iminomethyl]-3-chloro- (CA INDEX NAME)



RN 396099-46-0 CAPLUS
CN Benzeneacetamide, N-[(2-benzothiazolylamino)iminomethyl]-3,4-dimethoxy- (CA INDEX NAME)



RN 881419-99-4 CAPLUS
CN Benzenepropanamide, 4-azido-N-[(2-benzothiazolylamino)iminomethyl]- (CA INDEX NAME)



OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2005:959678 CAPLUS
DOCUMENT NUMBER: 143:266930
TITLE: Guanidine compounds and their use as ligands for 5HT receptors
INVENTOR(S): Netz, Astrid; Amberg, Wilhelm; Lange, Udo; Ochse, Michael; Kling, Andreas; Hutchins, Charles W.; Garcia-Ladona, Francisco-Xavier; Wernet, Wolfgang
PATENT ASSIGNEE(S): Abbott GmbH & Co. Kg, Germany
SOURCE: Ger. Offen., 52 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102004008141	A1	20050901	DE 2004-102004008141	20040219
WO 2005082871	A2	20050909	WO 2005-EP1521	20050215
WO 2005082871	A3	20051110		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1716127	A2	20061102	EP 2005-707406	20050215
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR, IS				
JP 2007523113	T	20070816	JP 2006-553516	20050215
MX 2006009434	A	20070321	MX 2006-9434	20060818
US 20070299074	A1	20071227	US 2007-590265	20070614
PRIORITY APPLN. INFO.:			DE 2004-102004008141A	20040219
			WO 2005-EP1521 W	20050215

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 143:266930
GRAPHIC IMAGE:

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

ABSTRACT:
The present invention concerns guanidine compds., e.g., I [R1, R2, R3 = H, OH, CN, (un)substituted C1-6-alkyl, C1-4-alkoxy, C2-6-alkenyl, C3-12-alkynyl, CO-(C1-6-alkyl), CO2-(C1-6-alkyl), etc.; R4, R5 = H, halogen, CN, CF3, CHF2, C1-10-alkyl, Ph, naphthyl, heteroaryl, etc.; R4R5 = (un)substituted 4- to 7-membered ring, optionally containing addnl. O, S, N; Q = Q1, Q2, Q3, Q4, Q5, Q6; W = W1, W2; Z = (CRz1Rz2)a(V)b(CRz3Rz4)c; A, D = NO2, NH2, OH, CN, CF3, OCF3, CHF2, OCHF2, CO2H, OCH2CO2H, halogen, SH, etc.; B = H, A; R' = H, OH, halogen,

NO2, NH2, CN, CF3, CHF2, OCF3, OCHF2, (un)substituted C1-6-alkyl, C3-7-cycloaalkyl, (C1-6-alkene)-O-(C1-6-alkyl), C2-6-alkenyl, C3-12-alkynyl, CO-(C1-6-alkyl), CO2-(C1-6-alkyl), SO2-(C1-6-alkyl), etc.; a = 0 - 4; b = 0, 1; c = 0 - 4; Rz1, Rz2, Rz3, Rz4 = H, halogen, OH, etc.; E = O, NRq1, S; V = CO, CONR, NRCO, O, S, SO, SO2, SO2NR, NRSO2, CS, CSNR, NRCS, etc.; Rq1 = H, C1-4-alkyl, CO-(C1-4-alkyl),SO2-(C1-4-alkyl), CO2-(C1-4-alkyl), etc.] , their enantiomers, diastereomers and/or tautomeric forms as well as pharmaceutical acceptable salts thereof. Thus, N-(2-methoxybenxyl)-N'-(11,3-thiazol-2-ly)guanidine (II) was prepared from 2-aminothiazole via reaction with thiocarbonyldiimidazole in MeCN, ammonolysis with NH4OAc in EtOH, N-methylation in MeOH and amidation with 2-MeOC6H4CH2NH2 in EtOH. Further the present compound concerns the use of guanidine compds. as ligands for 5HT receptors for the treatment of diseases, which are modulated by a 5HT receptor activity, in particular for the treatment of neurodegenerative and neuropsychiatric disturbances as well as the signs, symptoms and malfunctions which are connected with it. The pharmacol. activity off II was determined [Ki = 50 nM].

IT 863656-40-0P 863656-41-1P 863656-42-2P
863656-43-3P 863656-44-4P 863656-45-5P
863656-46-6P 863656-47-7P 863656-48-8P
863656-50-2P 863656-51-3P 863656-52-4P
863656-53-5P 863656-54-6P 863656-55-7P
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863656-62-6P 863656-64-8P 863656-67-1P
863656-68-2P 863656-70-6P 863656-72-8P
863656-74-0P 863656-76-2P 863656-79-5P
863656-80-8P 863656-81-9P 863656-82-0P
863656-83-1P 863656-84-2P 863656-86-4P
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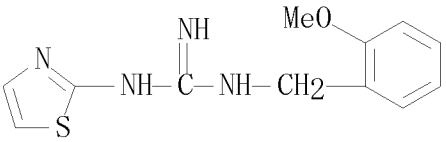
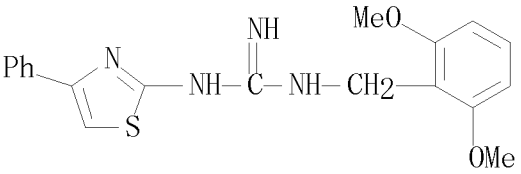
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(guanidine derivs. and their use as ligands for 5HT receptors)

RN 863656-40-0 CAPLUS

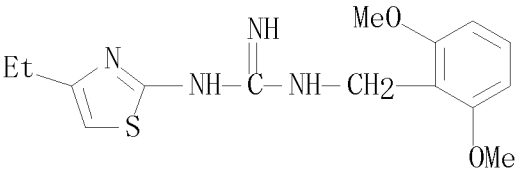
CN Guanidine, N-[(2-methoxyphenyl)methyl]-N'-2-thiazolyl- (CA INDEX NAME)



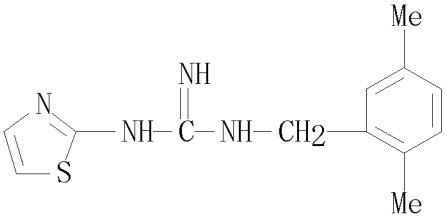
RN 863656-41-1 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-(4-phenyl-2-thiazolyl)- (CA INDEX NAME)



RN 863656-42-2 CAPLUS
CN Guanidine, N'-[(2,6-dimethoxyphenyl)methyl]-N-(4-ethyl-2-thiazolyl)- (CA INDEX NAME)

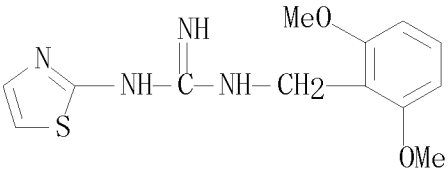


RN 863656-43-3 CAPLUS
CN Guanidine, N-[(2,5-dimethylphenyl)methyl]-N'-2-thiazolyl-, hydrochloride (1:1) (CA INDEX NAME)

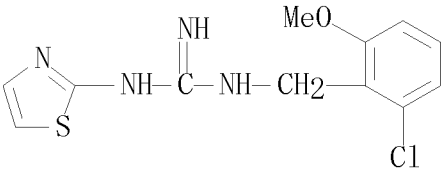


● HCl

RN 863656-44-4 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-2-thiazolyl- (CA INDEX NAME)

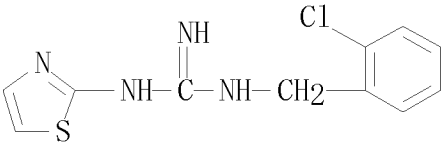


RN 863656-45-5 CAPLUS
CN Guanidine, N-[(2-chloro-6-methoxyphenyl)methyl]-N'-2-thiazolyl-, hydrochloride (1:1) (CA INDEX NAME)



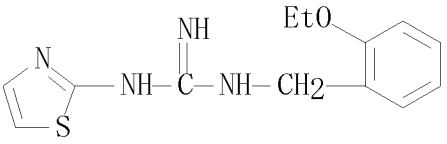
● HCl

RN 863656-46-6 CAPLUS
CN Guanidine, N-[(2-chlorophenyl)methyl]-N'-2-thiazolyl-, hydrochloride (1:1) (CA INDEX NAME)



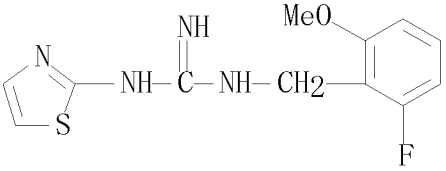
● HCl

RN 863656-47-7 CAPLUS
CN Guanidine, N-[(2-ethoxyphenyl)methyl]-N'-2-thiazolyl-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 863656-48-8 CAPLUS
CN Guanidine, N-[(2-fluoro-6-methoxyphenyl)methyl]-N'-2-thiazolyl- (CA INDEX NAME)



RN 863656-50-2 CAPLUS
CN Guanidine, N-[(2-hydroxyphenyl)methyl]-N'-2-thiazolyl-, acetate (1:1) (CA INDEX NAME)

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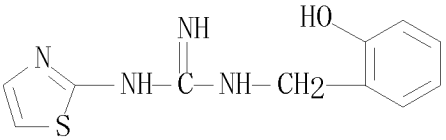
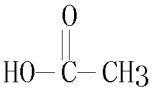
CRN 863656-49-9
CMF C11 H12 N4 O S



CM 2

CRN 64-19-7
CMF C2 H4 O2



RN 863656-51-3 CAPLUS
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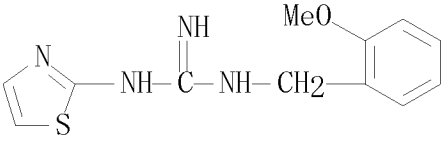
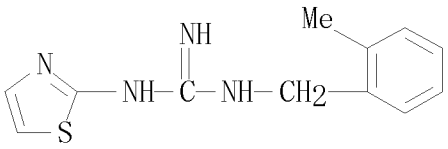
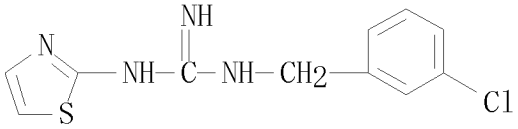


● HCl

RN 863656-52-4 CAPLUS
CN Guanidine, N-[(2-methylphenyl)methyl]-N'-2-thiazolyl- (CA INDEX NAME)



RN 863656-53-5 CAPLUS
CN Guanidine, N-[(3-chlorophenyl)methyl]-N'-2-thiazolyl-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 863656-54-6 CAPLUS
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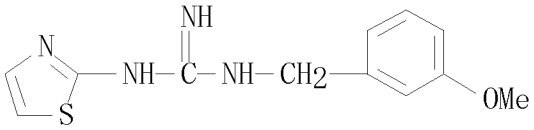

● HCl

RN 863656-55-7 CAPLUS
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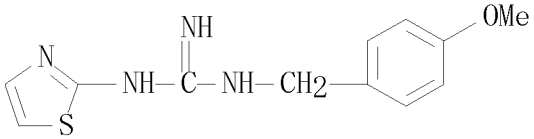

RN 863656-56-8 CAPLUS
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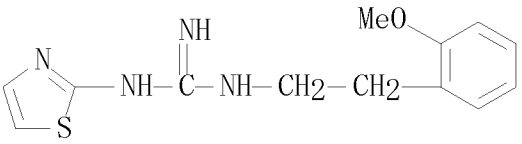
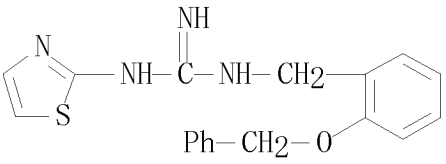
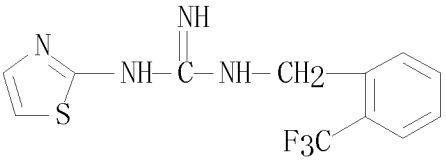


● HCl

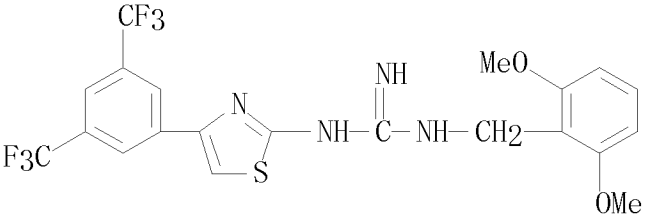
RN 863656-57-9 CAPLUS
CN Guanidine, N-[[2-(phenylmethoxy)phenyl]methyl]-N'-2-thiazolyl- (CA INDEX NAME)



RN 863656-58-0 CAPLUS
CN Guanidine, N'-2-thiazolyl-N-[[2-(trifluoromethyl)phenyl]methyl]- (CA INDEX NAME)

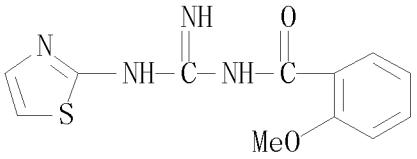


RN 863656-59-1 CAPLUS
CN Guanidine, N-[4-[3,5-bis(trifluoromethyl)phenyl]-2-thiazolyl]-N'-[(2,6-dimethoxyphenyl)methyl]-, hydrobromide (1:1) (CA INDEX NAME)

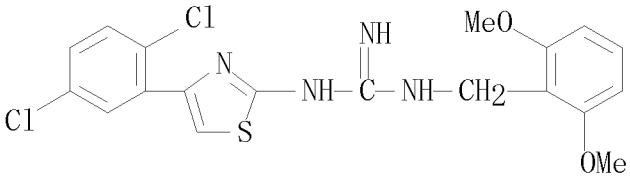


● HBr

RN 863656-60-4 CAPLUS
CN Benzamide, N-[imino(2-thiazolylamino)methyl]-2-methoxy- (CA INDEX NAME)

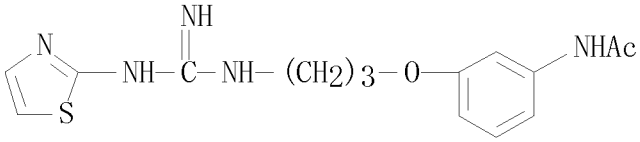


RN 863656-61-5 CAPLUS
CN Guanidine, N-[4-(2,5-dichlorophenyl)-2-thiazolyl]-N'-[(2,6-dimethoxyphenyl)methyl]-, hydrobromide (1:1) (CA INDEX NAME)



● HBr

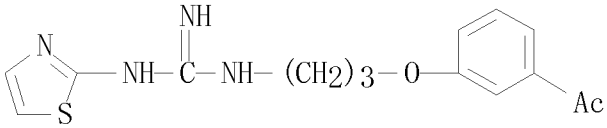
RN 863656-62-6 CAPLUS
CN Acetamide, N-[3-[3-[[imino(2-thiazolylamino)methyl]amino]propoxy]phenyl]- (CA INDEX NAME)



RN 863656-64-8 CAPLUS
CN Guanidine, N-[3-(3-acetylphenoxy)propyl]-N'-2-thiazolyl-, (2E)-2-butenedioate (1:1) (CA INDEX NAME)

CM 1

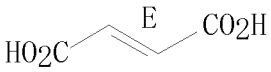
CRN 863656-63-7
CMF C15 H18 N4 O2 S



CM 2

CRN 110-17-8
CMF C4 H4 O4

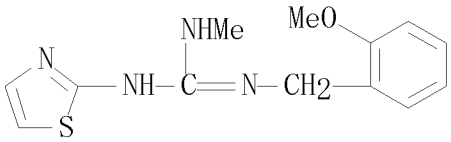
Double bond geometry as shown.



RN 863656-67-1 CAPLUS
CN Guanidine, N-[(2-methoxyphenyl)methyl]-N'-methyl-N''-2-thiazolyl-, (2E)-2-butenedioate (1:1) (CA INDEX NAME)

CM 1

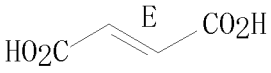
CRN 863656-66-0
CMF C13 H16 N4 O S



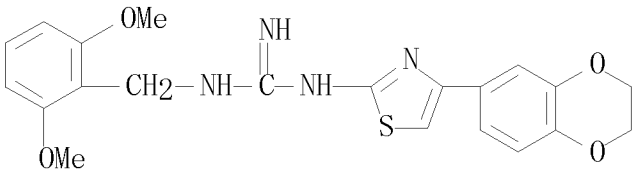
CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



RN 863656-68-2 CAPLUS
CN Guanidine, N-[4-(2,3-dihydro-1,4-benzodioxin-6-yl)-2-thiazolyl]-N'-[(2,6-dimethoxyphenyl)methyl]-, hydrobromide (1:1) (CA INDEX NAME)

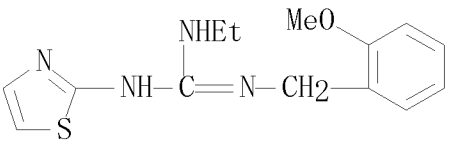


● HBr

RN 863656-70-6 CAPLUS
CN Guanidine, N-ethyl-N'-[(2-methoxyphenyl)methyl]-N''-2-thiazolyl-, (2E)-2-butenedioate (1:1) (CA INDEX NAME)

CM 1

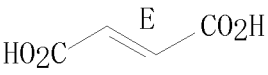
CRN 863656-69-3
CMF C14 H18 N4 O S



CM 2

CRN 110-17-8
CMF C4 H4 O4

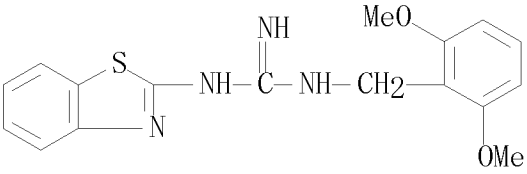
Double bond geometry as shown.



RN 863656-72-8 CAPLUS
CN Guanidine, N-2-benzothiazolyl-N'-[(2,6-dimethoxyphenyl)methyl]-, (2E)-2-butenedioate (1:1) (CA INDEX NAME)

CM 1

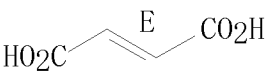
CRN 863656-71-7
CMF C17 H18 N4 O2 S



CM 2

CRN 110-17-8
CMF C4 H4 O4

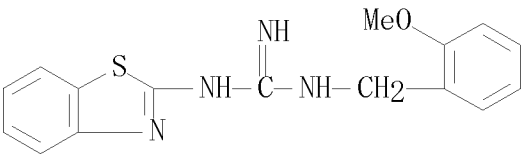
Double bond geometry as shown.



RN 863656-74-0 CAPLUS
CN Guanidine, N-2-benzothiazolyl-N'-[(2-methoxyphenyl)methyl]-, (2E)-2-butenedioate (1:1) (CA INDEX NAME)

CM 1

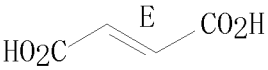
CRN 863656-73-9
CMF C16 H16 N4 O S



CM 2

CRN 110-17-8
CMF C4 H4 O4

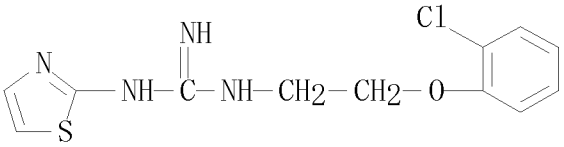
Double bond geometry as shown.



RN 863656-76-2 CAPLUS
CN Guanidine, N-[2-(2-chlorophenoxy)ethyl]-N'-2-thiazolyl-, (2E)-2-butenedioate (1:1) (CA INDEX NAME)

CM 1

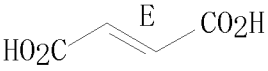
CRN 863656-75-1
CMF C12 H13 Cl N4 O S



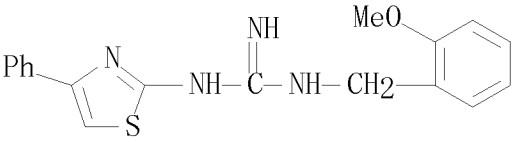
CM 2

CRN 110-17-8
CMF C4 H4 O4

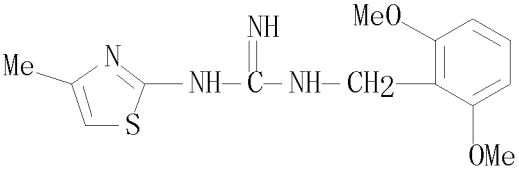
Double bond geometry as shown.



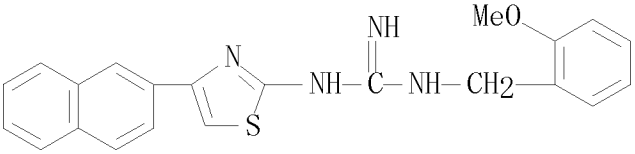
RN 863656-79-5 CAPLUS
CN Guanidine, N-[(2-methoxyphenyl)methyl]-N'-(4-phenyl-2-thiazolyl)- (CA INDEX NAME)



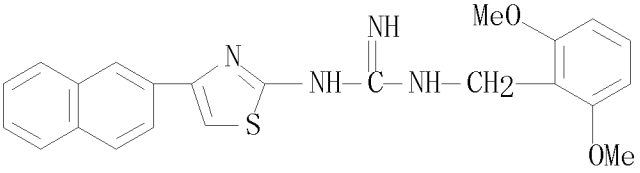
RN 863656-80-8 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-(4-methyl-2-thiazolyl)- (CA INDEX NAME)



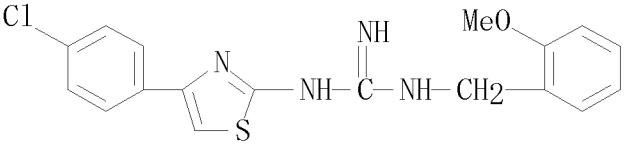
RN 863656-81-9 CAPLUS
CN Guanidine, N-[(2-methoxyphenyl)methyl]-N'-[4-(2-naphthalenyl)-2-thiazolyl]- (CA INDEX NAME)



RN 863656-82-0 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-[4-(2-naphthalenyl)-2-thiazolyl]- (CA INDEX NAME)

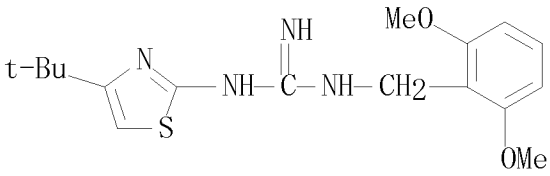


RN 863656-83-1 CAPLUS
CN Guanidine, N-[4-(4-chlorophenyl)-2-thiazolyl]-N'-[(2-methoxyphenyl)methyl]- (CA INDEX NAME)



RN 863656-84-2 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-[4-(1,1-dimethylethyl)-2-

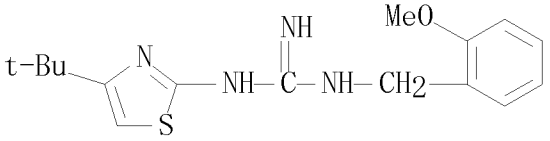
thiazolyl]- (CA INDEX NAME)



RN 863656-86-4 CAPLUS
CN Guanidine, N-[4-(1,1-dimethylethyl)-2-thiazolyl]-N'-[(2-methoxyphenyl)methyl]-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

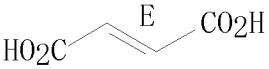
CRN 863656-85-3
CMF C16 H22 N4 O S



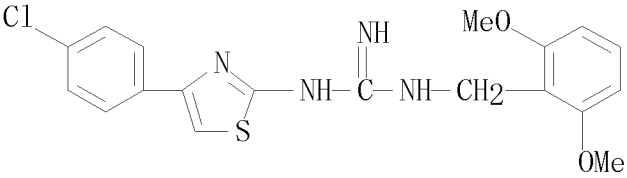
CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



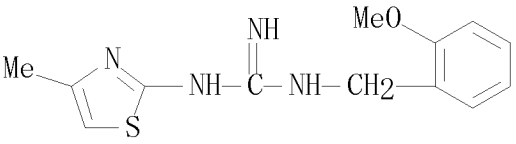
RN 863656-87-5 CAPLUS
CN Guanidine, N-[4-(4-chlorophenyl)-2-thiazolyl]-N'-[(2,6-dimethoxyphenyl)methyl]- (CA INDEX NAME)



RN 863656-89-7 CAPLUS
CN Guanidine, N-[(2-methoxyphenyl)methyl]-N'-(4-methyl-2-thiazolyl)-, (2E)-2-butenedioate (1:1) (CA INDEX NAME)

CM 1

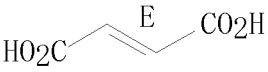
CRN 863656-88-6
CMF C13 H16 N4 O S



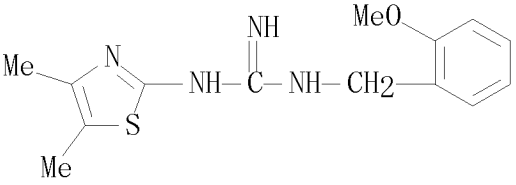
CM 2

CRN 110-17-8
CMF C4 H4 O4

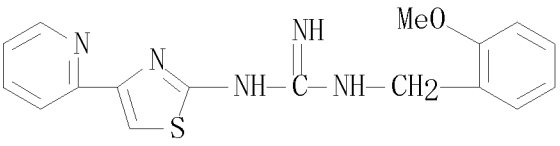
Double bond geometry as shown.



RN 863656-90-0 CAPLUS
CN Guanidine, N-(4,5-dimethyl-2-thiazolyl)-N'-[(2-methoxyphenyl)methyl]- (CA INDEX NAME)



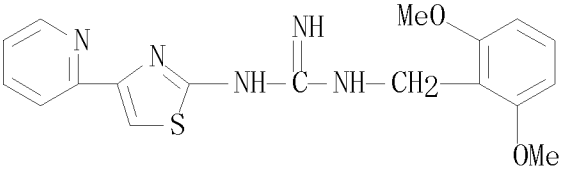
RN 863656-91-1 CAPLUS
CN Guanidine, N-[(2-methoxyphenyl)methyl]-N'-[4-(2-pyridinyl)-2-thiazolyl]- (CA INDEX NAME)



RN 863656-93-3 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-[4-(2-pyridinyl)-2-thiazolyl]-, (2E)-2-butenedioate (1:1) (CA INDEX NAME)

CM 1

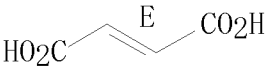
CRN 863656-92-2
CMF C18 H19 N5 O2 S



CM 2

CRN 110-17-8
CMF C4 H4 O4

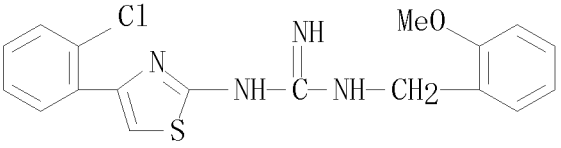
Double bond geometry as shown.



RN 863656-95-5 CAPLUS
CN Guanidine, N-[4-(2-chlorophenyl)-2-thiazolyl]-N'-[(2-methoxyphenyl)methyl]-, (2E)-2-butenedioate (1:1) (CA INDEX NAME)

CM 1

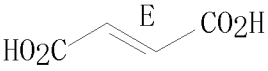
CRN 863656-94-4
CMF C18 H17 Cl N4 O S



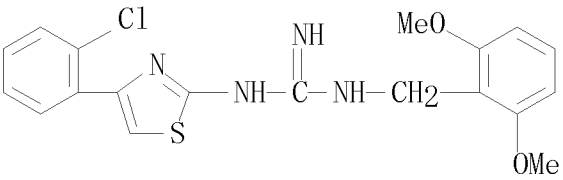
CM 2

CRN 110-17-8
CMF C4 H4 O4

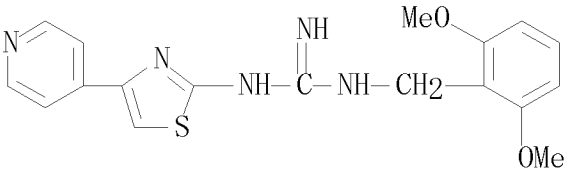
Double bond geometry as shown.



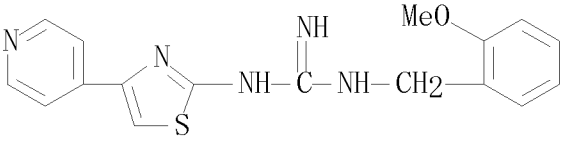
RN 863656-96-6 CAPLUS
CN Guanidine, N-[4-(2-chlorophenyl)-2-thiazolyl]-N'-[(2,6-dimethoxyphenyl)methyl]- (CA INDEX NAME)



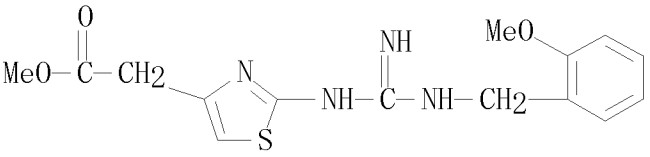
RN 863656-97-7 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-[4-(4-pyridinyl)-2-thiazolyl]- (CA INDEX NAME)



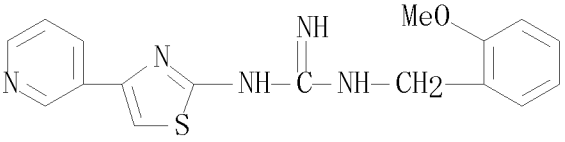
RN 863656-98-8 CAPLUS
CN Guanidine, N-[(2-methoxyphenyl)methyl]-N'-[4-(4-pyridinyl)-2-thiazolyl]- (CA INDEX NAME)



RN 863656-99-9 CAPLUS
CN 4-Thiazoleacetic acid, 2-[[imino[[(2-methoxyphenyl)methyl]amino]methyl]amino]-, methyl ester (CA INDEX NAME)

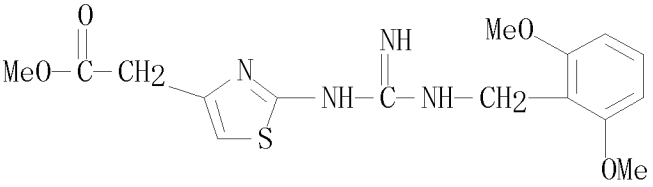


RN 863657-00-5 CAPLUS
CN Guanidine, N-[(2-methoxyphenyl)methyl]-N'-[4-(3-pyridinyl)-2-thiazolyl]- (CA INDEX NAME)



RN 863657-01-6 CAPLUS
CN 4-Thiazoleacetic acid, 2-[[[[(2,6-

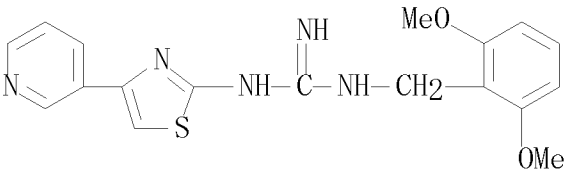
dimethoxyphenyl)methyl]amino]iminomethyl]amino]-, methyl ester (CA INDEX NAME)



RN 863657-03-8 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-[4-(3-pyridinyl)-2-thiazolyl]-, monoacetate (9CI) (CA INDEX NAME)

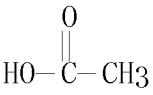
CM 1

CRN 863657-02-7
CMF C18 H19 N5 O2 S



CM 2

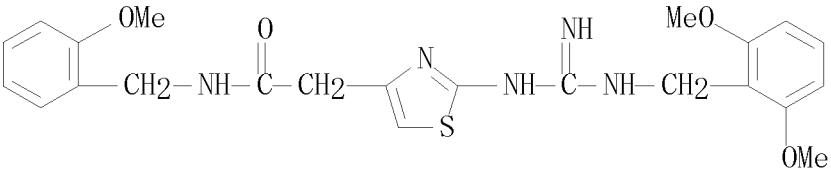
CRN 64-19-7
CMF C2 H4 O2



RN 863657-05-0 CAPLUS
CN 4-Thiazoleacetamide, 2-[[amino[[(2,6-dimethoxyphenyl)methyl]amino]methylene]amino]-N-[(2-methoxyphenyl)methyl]-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

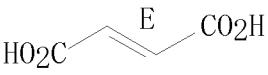
CRN 863657-04-9
CMF C23 H27 N5 O4 S



CM 2

CRN 110-17-8
CMF C4 H4 O4

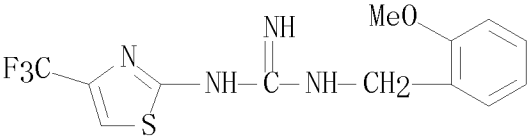
Double bond geometry as shown.



RN 863657-07-2 CAPLUS
CN Guanidine, N-[(2-methoxyphenyl)methyl]-N'-[4-(trifluoromethyl)-2-thiazolyl]-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

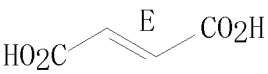
CRN 863657-06-1
CMF C13 H13 F3 N4 O S



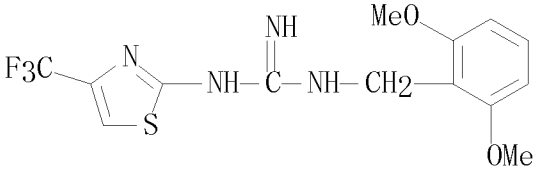
CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



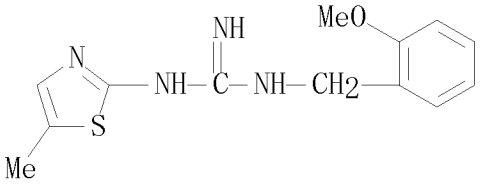
RN 863657-08-3 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-[4-(trifluoromethyl)-2-thiazolyl]- (9CI) (CA INDEX NAME)



RN 863657-10-7 CAPLUS
CN Guanidine, N-[(2-methoxyphenyl)methyl]-N'-(5-methyl-2-thiazolyl)-, (2E)-2-butenedioate (1:1) (CA INDEX NAME)

CM 1

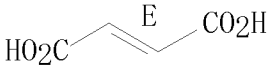
CRN 863657-09-4
CMF C13 H16 N4 O S



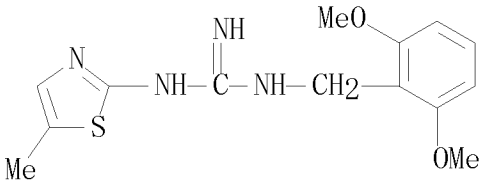
CM 2

CRN 110-17-8
CMF C4 H4 O4

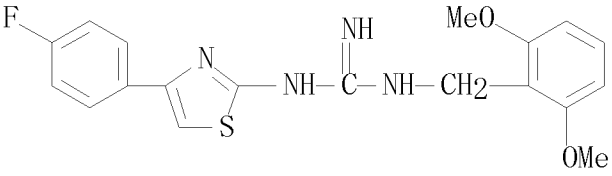
Double bond geometry as shown.



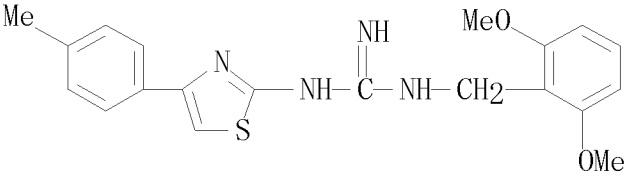
RN 863657-11-8 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-(5-methyl-2-thiazolyl)- (CA INDEX NAME)



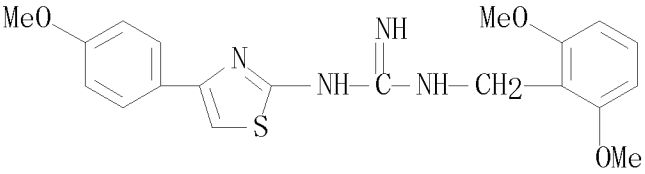
RN 863657-12-9 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-[4-(4-fluorophenyl)-2-thiazolyl]- (9CI) (CA INDEX NAME)



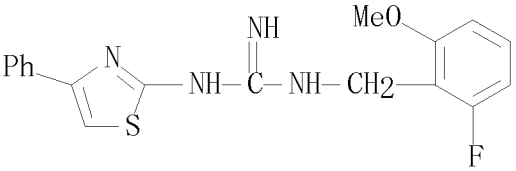
RN 863657-13-0 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-[4-(4-methylphenyl)-2-thiazolyl]- (CA INDEX NAME)



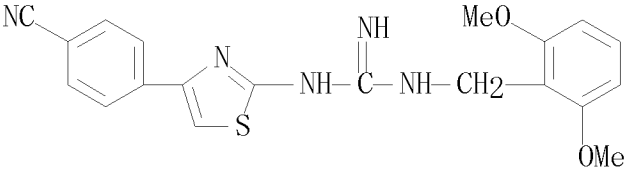
RN 863657-14-1 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-[4-(4-methoxyphenyl)-2-thiazolyl]- (CA INDEX NAME)



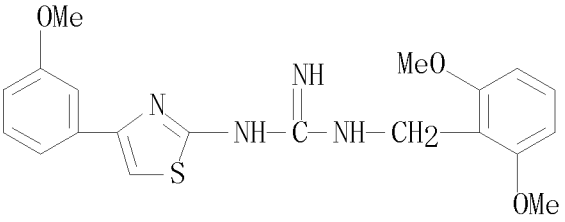
RN 863657-15-2 CAPLUS
CN Guanidine, N-[(2-fluoro-6-methoxyphenyl)methyl]-N'-(4-phenyl-2-thiazolyl)- (CA INDEX NAME)



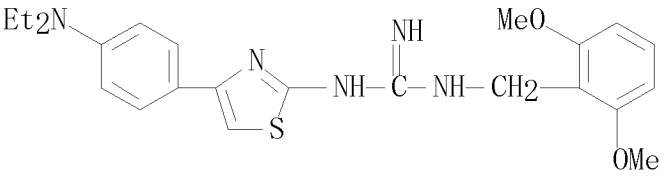
RN 863657-16-3 CAPLUS
CN Guanidine, N-[4-(4-cyanophenyl)-2-thiazolyl]-N'-[(2,6-dimethoxyphenyl)methyl]- (CA INDEX NAME)



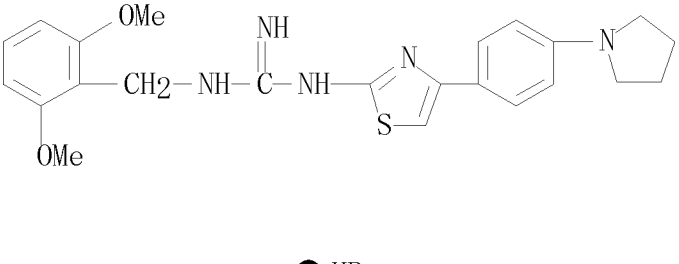
RN 863657-17-4 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-[4-(3-methoxyphenyl)-2-thiazolyl]- (CA INDEX NAME)



RN 863657-18-5 CAPLUS
CN Guanidine, N-[4-[4-(diethylamino)phenyl]-2-thiazolyl]-N'-[(2,6-dimethoxyphenyl)methyl]- (CA INDEX NAME)

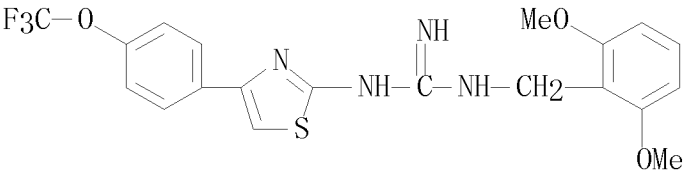


RN 863657-19-6 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-[4-[4-(1-pyrrolidinyl)phenyl]-2-thiazolyl]-, monohydrobromide (9CI) (CA INDEX NAME)



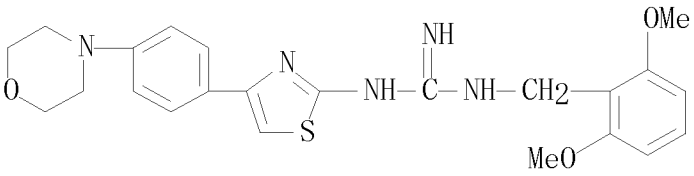
● HBr

RN 863657-20-9 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-[4-[4-(trifluoromethoxy)phenyl]-2-thiazolyl]-, monohydrobromide (9CI) (CA INDEX NAME)



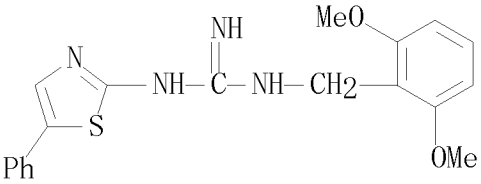
● HBr

RN 863657-21-0 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-[4-[4-(4-morpholinyl)phenyl]-2-thiazolyl]-, monohydrobromide (9CI) (CA INDEX NAME)



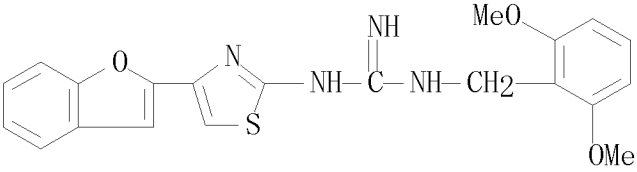
● HBr

RN 863657-22-1 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-(5-phenyl-2-thiazolyl)-, hydrobromide (1:1) (CA INDEX NAME)



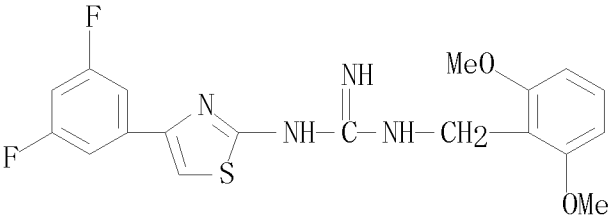
● HBr

RN 863657-23-2 CAPLUS
CN Guanidine, N-[4-(2-benzofuranyl)-2-thiazolyl]-N'-[(2,6-dimethoxyphenyl)methyl]-, hydrobromide (1:1) (CA INDEX NAME)



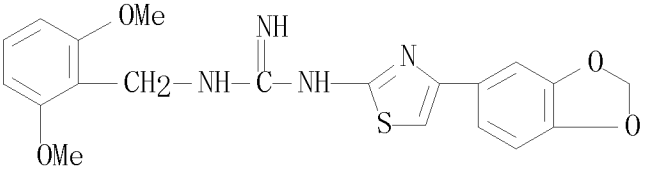
● HBr

RN 863657-24-3 CAPLUS
CN Guanidine, N-[4-(3,5-difluorophenyl)-2-thiazolyl]-N'-[(2,6-dimethoxyphenyl)methyl]-, hydrobromide (1:1) (CA INDEX NAME)



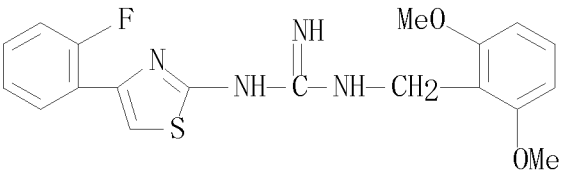
● HBr

RN 863657-25-4 CAPLUS
CN Guanidine, N-[4-(1,3-benzodioxol-5-yl)-2-thiazolyl]-N'-[(2,6-dimethoxyphenyl)methyl]-, hydrobromide (1:1) (CA INDEX NAME)



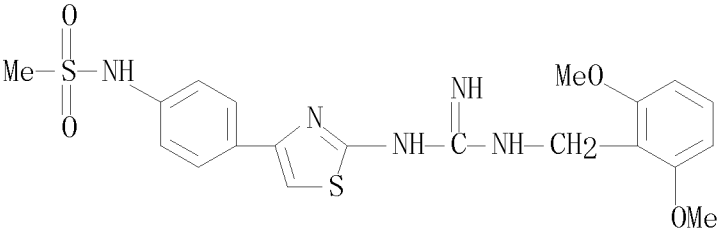
● HBr

RN 863657-26-5 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-[4-(2-fluorophenyl)-2-thiazolyl]-, monohydrobromide (9CI) (CA INDEX NAME)



● HBr

RN 863657-27-6 CAPLUS
CN Methanesulfonamide, N-[4-[2-[[[[(2,6-dimethoxyphenyl)methyl]amino]iminomethyl]amino]-4-thiazolyl]phenyl]-, hydrobromide (1:1) (CA INDEX NAME)

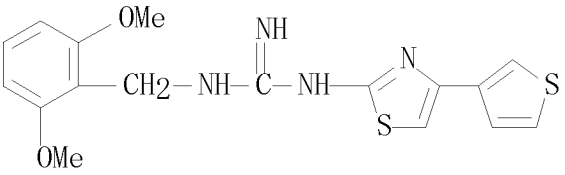


● HBr

RN 863657-29-8 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-[4-(3-thienyl)-2-thiazolyl]-, monoacetate (9CI) (CA INDEX NAME)

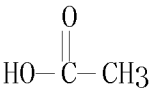
CM 1

CRN 863657-28-7
CMF C17 H18 N4 O2 S2

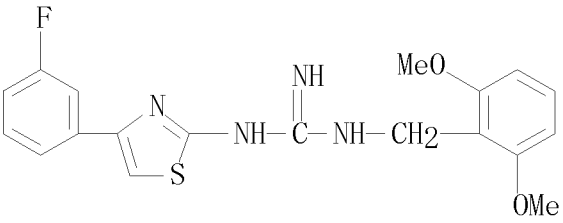


CM 2

CRN 64-19-7
CMF C2 H4 O2

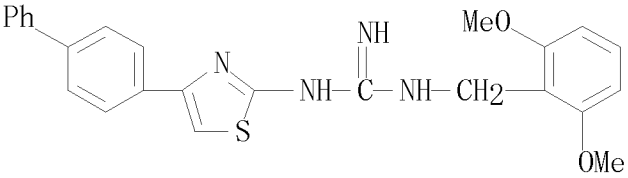


RN 863657-30-1 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-[4-(3-fluorophenyl)-2-thiazolyl]-, monohydrobromide (9CI) (CA INDEX NAME)



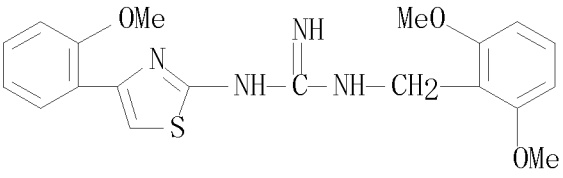
● HBr

RN 863657-31-2 CAPLUS
CN Guanidine, N-(4-[1,1'-biphenyl]-4-yl-2-thiazolyl)-N'-[(2,6-dimethoxyphenyl)methyl]-, hydrobromide (1:1) (CA INDEX NAME)



● HBr

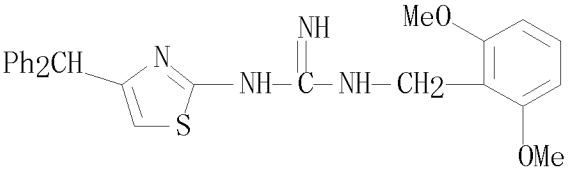
RN 863657-32-3 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-[4-(2-methoxyphenyl)-2-thiazolyl]-, monohydrobromide (9CI) (CA INDEX NAME)



● HBr

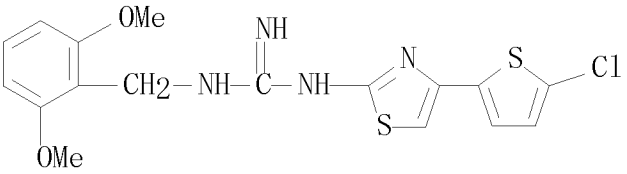
RN 863657-33-4 CAPLUS

CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-[4-(diphenylmethyl)-2-thiazolyl]-, monohydrobromide (9CI) (CA INDEX NAME)



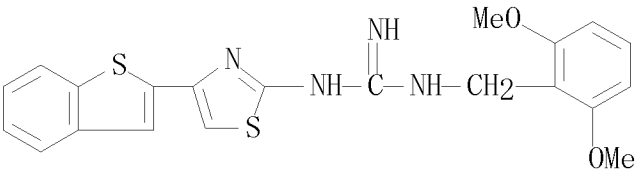
● HBr

RN 863657-34-5 CAPLUS
CN Guanidine, N-[4-(5-chloro-2-thienyl)-2-thiazolyl]-N'-[(2,6-dimethoxyphenyl)methyl]-, hydrobromide (1:1) (CA INDEX NAME)



● HBr

RN 863657-35-6 CAPLUS
CN Guanidine, N-(4-benzo[b]thien-2-yl-2-thiazolyl)-N'-[(2,6-dimethoxyphenyl)methyl]-, hydrobromide (1:1) (CA INDEX NAME)

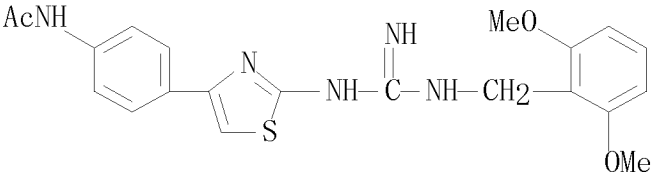


● HBr

RN 863657-37-8 CAPLUS
CN Acetamide, N-[4-[2-[[[[(2,6-dimethoxyphenyl)methyl]amino]iminomethyl]amino]-4-thiazolyl]phenyl]-, acetate (1:1) (CA INDEX NAME)

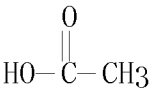
CM 1

CRN 863657-36-7
CMF C21 H23 N5 O3 S

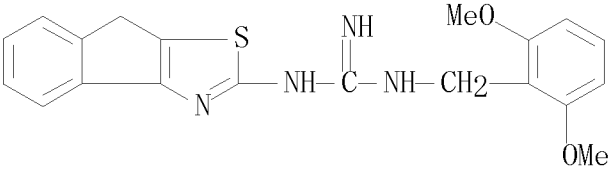


CM 2

CRN 64-19-7
CMF C2 H4 O2

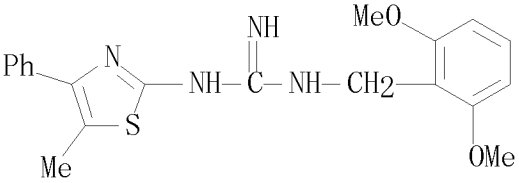


RN 863657-38-9 CAPLUS
CN Guanidine, N'-[(2,6-dimethoxyphenyl)methyl]-N-8H-indeno[1,2-d]thiazol-2-yl-, hydrobromide (1:1) (CA INDEX NAME)



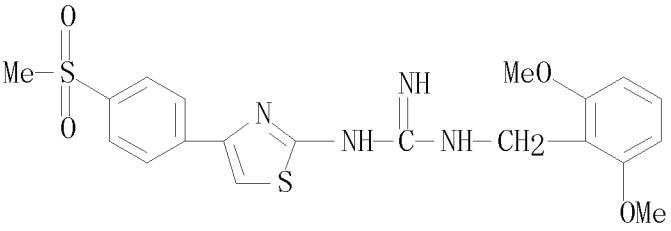
● HBr

RN 863657-39-0 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-(5-methyl-4-phenyl-2-thiazolyl)-, hydrobromide (1:1) (CA INDEX NAME)



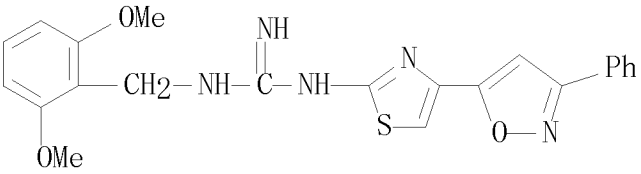
● HBr

RN 863657-40-3 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-[4-[4-(methylsulfonyl)phenyl]-2-thiazolyl]-, monohydrobromide (9CI) (CA INDEX NAME)



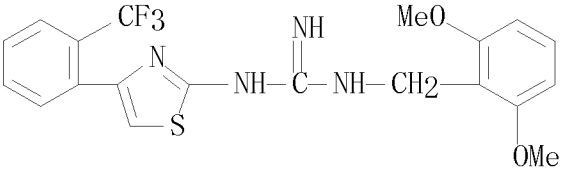
● HBr

RN 863657-41-4 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-[4-(3-phenyl-5-isoxazolyl)-2-thiazolyl]-, monohydrobromide (9CI) (CA INDEX NAME)



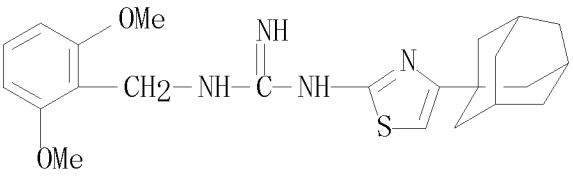
● HBr

RN 863657-42-5 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-[4-[2-(trifluoromethyl)phenyl]-2-thiazolyl]-, monohydrobromide (9CI) (CA INDEX NAME)



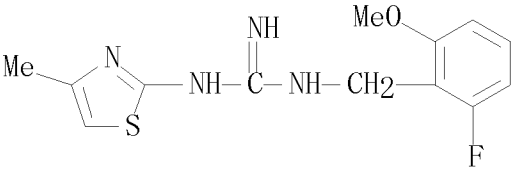
● HBr

RN 863657-43-6 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-(4-tricyclo[3.3.1.13,7]dec-1-yl-2-thiazolyl)-, hydrobromide (1:1) (CA INDEX NAME)

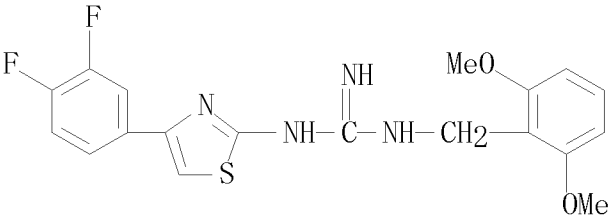


● HBr

RN 863657-44-7 CAPLUS
CN Guanidine, N-[(2-fluoro-6-methoxyphenyl)methyl]-N'-(4-methyl-2-thiazolyl)-
(CA INDEX NAME)

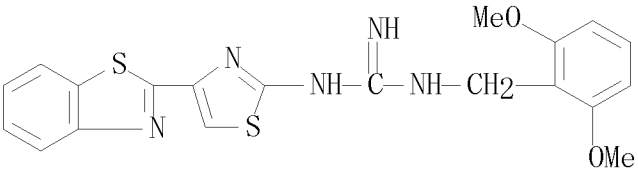


RN 863657-45-8 CAPLUS
CN Guanidine, N-[4-(3,4-difluorophenyl)-2-thiazolyl]-N'-[(2,6-
dimethoxyphenyl)methyl]-, hydrobromide (1:1) (CA INDEX NAME)



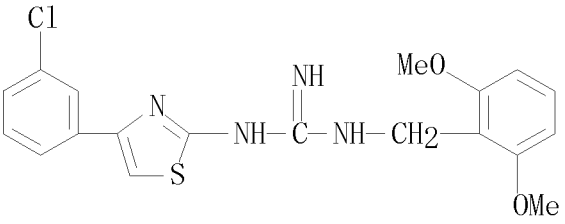
● HBr

RN 863657-46-9 CAPLUS
CN Guanidine, N-[4-(2-benzothiazolyl)-2-thiazolyl]-N'-[(2,6-
dimethoxyphenyl)methyl]-, hydrobromide (1:1) (CA INDEX NAME)



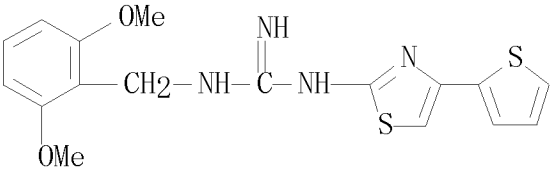
● HBr

RN 863657-47-0 CAPLUS
CN Guanidine, N-[4-(3-chlorophenyl)-2-thiazolyl]-N'-[(2,6-dimethoxyphenyl)methyl]-, hydrobromide (1:1) (CA INDEX NAME)



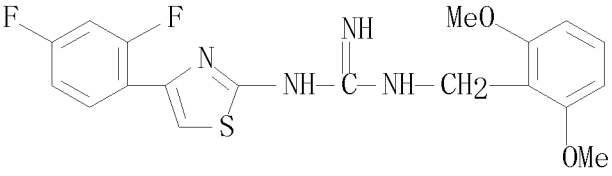
● HBr

RN 863657-48-1 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-[4-(2-thienyl)-2-thiazolyl]-, monohydrobromide (9CI) (CA INDEX NAME)



● HBr

RN 863657-49-2 CAPLUS
CN Guanidine, N-[4-(2,4-difluorophenyl)-2-thiazolyl]-N'-[(2,6-dimethoxyphenyl)methyl]-, hydrobromide (1:1) (CA INDEX NAME)

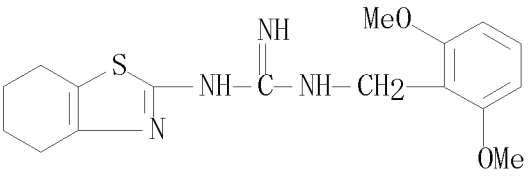


● HBr

RN 863657-54-9 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-(4,5,6,7-tetrahydro-2-benzothiazolyl)-, acetate (1:1) (CA INDEX NAME)

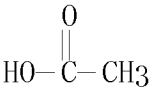
CM 1

CRN 863657-53-8
CMF C17 H22 N4 O2 S

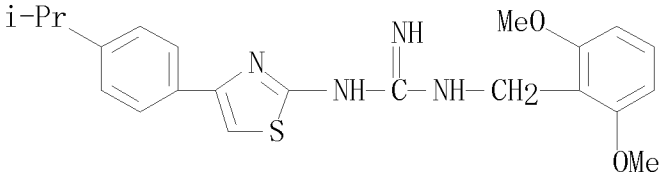


CM 2

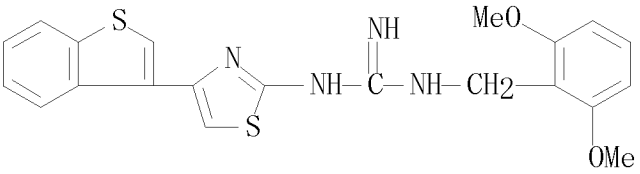
CRN 64-19-7
CMF C2 H4 O2



RN 863657-55-0 CAPLUS
CN Guanidine, N-[(2,6-dimethoxyphenyl)methyl]-N'-[4-[4-(1-methylethyl)phenyl]-2-thiazolyl]- (CA INDEX NAME)

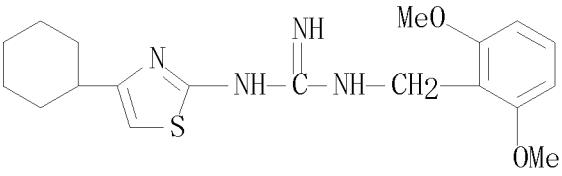


RN 863657-56-1 CAPLUS
CN Guanidine, N-(4-benzo[b]thien-3-yl-2-thiazolyl)-N'-[(2,6-dimethoxyphenyl)methyl]-, hydrobromide (1:1) (CA INDEX NAME)

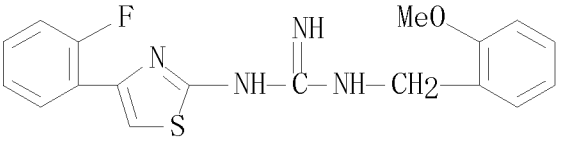


● HBr

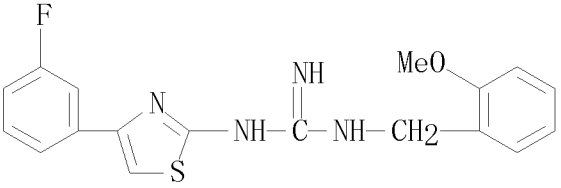
RN 863657-57-2 CAPLUS
CN Guanidine, N-(4-cyclohexyl-2-thiazolyl)-N'-[(2,6-dimethoxyphenyl)methyl]- (CA INDEX NAME)



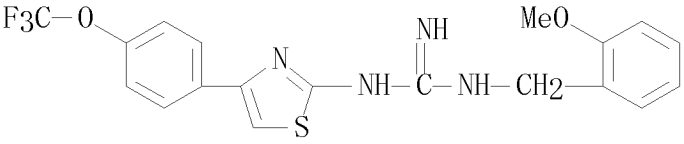
RN 863657-58-3 CAPLUS
CN Guanidine, N-[4-(2-fluorophenyl)-2-thiazolyl]-N'-[(2-methoxyphenyl)methyl]- (CA INDEX NAME)



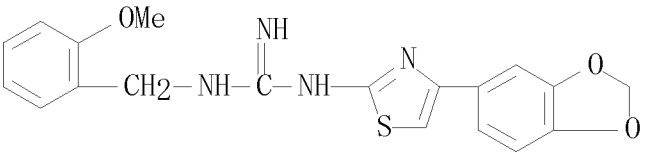
RN 863657-59-4 CAPLUS
CN Guanidine, N-[4-(3-fluorophenyl)-2-thiazolyl]-N'-[(2-methoxyphenyl)methyl]- (CA INDEX NAME)



RN 863657-60-7 CAPLUS
CN Guanidine, N-[(2-methoxyphenyl)methyl]-N'-[4-[4-(trifluoromethoxy)phenyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)

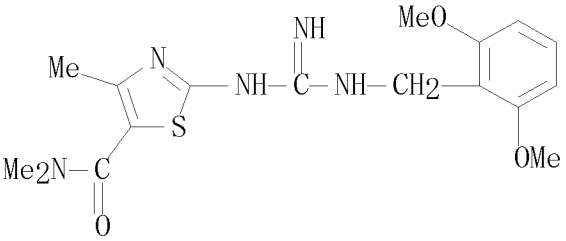


RN 863657-61-8 CAPLUS
CN Guanidine, N-[4-(1,3-benzodioxol-5-yl)-2-thiazolyl]-N'-[(2-methoxyphenyl)methyl]- (CA INDEX NAME)

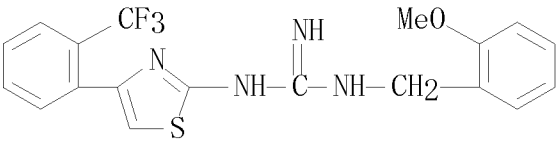


RN 863657-62-9 CAPLUS
CN 5-Thiazolecarboxamide, 2-[[[[(2,6-dimethoxyphenyl)methyl]amino]iminomethyl]amino]-N,N,4-trimethyl- (CA

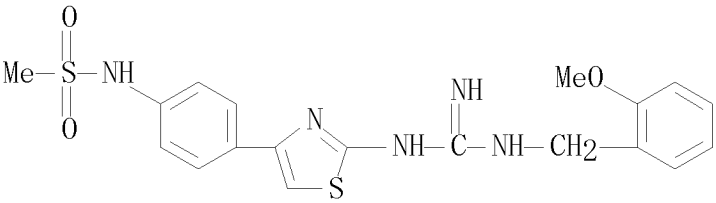
INDEX NAME)



RN 863657-63-0 CAPLUS
CN Guanidine, N-[(2-methoxyphenyl)methyl]-N'-[4-[2-(trifluoromethyl)phenyl]-2-thiazolyl]- (9CI) (CA INDEX NAME)



RN 863657-64-1 CAPLUS
CN Methanesulfonamide, N-[4-[2-[[imino[[(2-methoxyphenyl)methyl]amino]methyl]amino]-4-thiazolyl]phenyl]- (CA INDEX NAME)

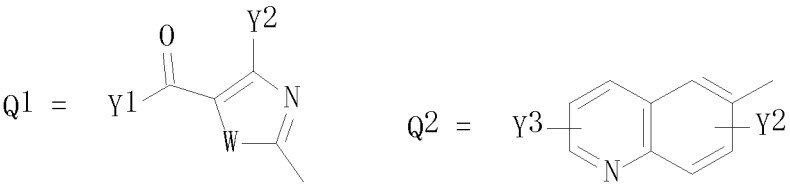


OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

L7 ANSWER 5 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2004:430696 CAPLUS
DOCUMENT NUMBER: 141:7106
TITLE: Preparation of thiazolylbenzoylguanidines for treatment of leukocyte activation-associated disorders.
INVENTOR(S): Kempson, James; Pitts, William J.
PATENT ASSIGNEE(S): Bristol-Myers Squibb Company, USA
SOURCE: PCT Int. Appl., 51 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004043362	A2	20040527	WO 2003-US35269	20031106
WO 2004043362	A3	20040812		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003295402	A1	20040603	AU 2003-295402	20031106
US 20040132750	A1	20040708	US 2003-702934	20031106
US 7109224	B2	20060919		
PRIORITY APPLN. INFO.:			US 2002-424237P P	20021106
			WO 2003-US35269 W	20031106

OTHER SOURCE(S): MARPAT 141:7106
GRAPHIC IMAGE:

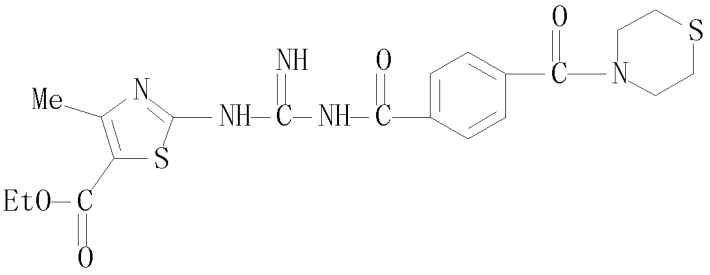


ABSTRACT:
R1R2NC(:NH)NR4C(:R3)L [R1, R4 = H, (substituted) alkyl; R2 = Q1, Q2, etc.; W = O, S; Y1 = NHT12, OT7; Y2, Y3 = H, halo, OT7, alkyl, haloalkyl; R3 = O, S, N; L = (substituted) aryl, cycloalkyl, heterocyclo, heteroaryl; T7 = alkyl, hydroxyalkyl, alkoxyalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, aralkyl, heterocyclo, heteroaryl, etc.; T12 = H, halo, cyano, NO2, OH, O, SH, (substituted) alkyl, hydroxyalkyl, alkoxyalkyl, alkenyl, alkynyl, heterocyclo, aryl, aralkyl, etc.], were prepared for treatment of psoriasis, asthma, inflammatory bowel disease, multiple sclerosis, juvenile diabetes, etc. (no data). Thus, 2-imino-4-thiobiuret and Et 2-chloroacetoacetate were heated in

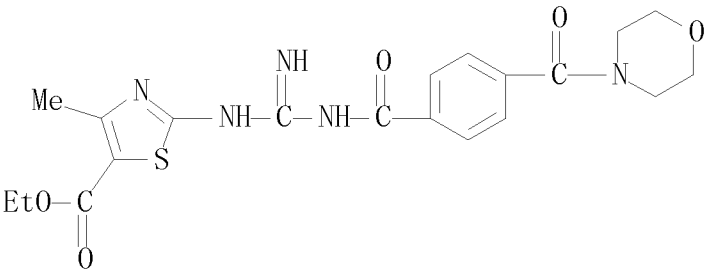
EtOH at 100° for 4 h to give 79% Et 2-[(aminoiminomethyl)amino]-4-methyl-5-thiazolecarboxylate. The latter was added to a mixture prepared from Na and EtOH followed by stirring for 30 min; di-Et terephthalate was added and the mixture was heated at 120-130° overnight to give 26% Et 2-[N'-(4-ethoxycarbonylbenzoyl)guanidino]-4-methylthiazole-5-carboxylate. The latter was saponified with LiOH in THF/H2O to give 12% Et 2-[N'-(4-carboxybenzoyl)guanidino]-4-methylthiazole-5-carboxylate, which was stirred with thiomorpholine, EDC, HOBt, and DIPEA in DMF to give 43% Et 4-methyl-2-[N'-4-(thiomorpholinecarbonylbenzoyl)guanidino]-4-methylthiazole-5-carboxylate.

IT 693809-53-9P 693809-54-0P 693809-55-1P
693809-56-2P 693809-57-3P 693809-58-4P
693809-59-5P 693809-60-8P 693809-61-9P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of thiazolylbenzoylguanidines for treatment of leukocyte activation-associated disorders)

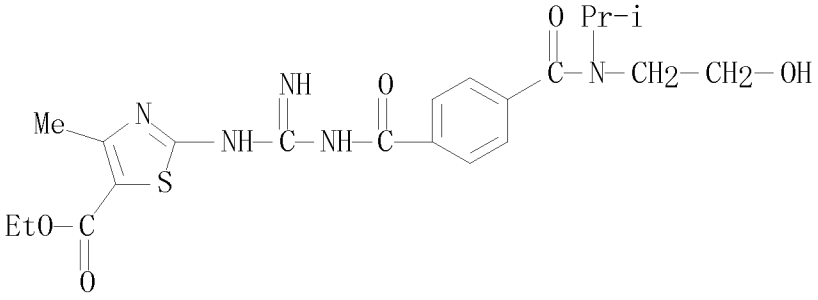
RN 693809-53-9 CAPLUS
CN 5-Thiazolecarboxylic acid, 2-[[imino[[4-(4-thiomorpholinylcarbonyl)benzoyl]amino]methyl]amino]-4-methyl-, ethyl ester (CA INDEX NAME)



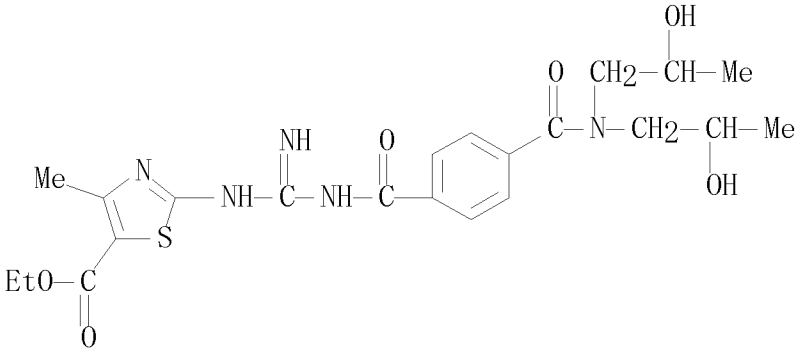
RN 693809-54-0 CAPLUS
CN 5-Thiazolecarboxylic acid, 2-[[imino[[4-(4-morpholinylcarbonyl)benzoyl]amino]methyl]amino]-4-methyl-, ethyl ester (CA INDEX NAME)



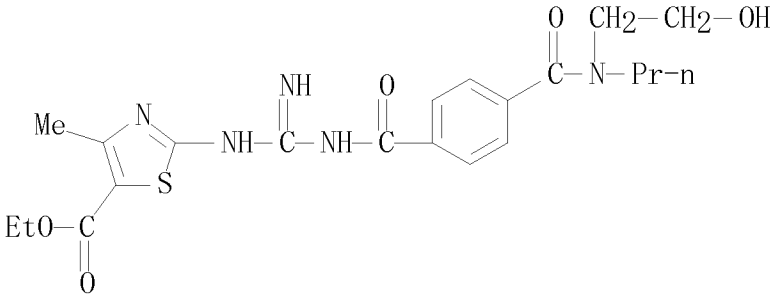
RN 693809-55-1 CAPLUS
CN 5-Thiazolecarboxylic acid, 2-[[[[4-[[(2-hydroxyethyl)(1-methylethyl)amino]carbonyl]benzoyl]amino]iminomethyl]amino]-4-methyl-, ethyl ester (CA INDEX NAME)



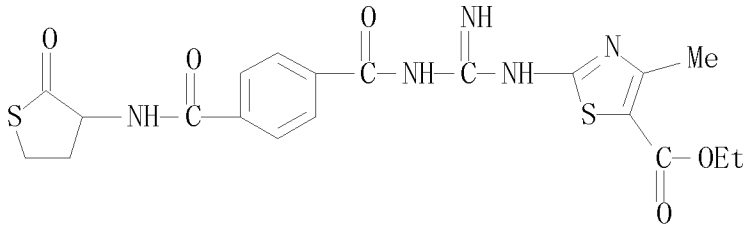
RN 693809-56-2 CAPLUS
CN 5-Thiazolecarboxylic acid, 2-[[[[4-[[bis(2-hydroxypropyl)amino]carbonyl]benzoyl]amino]iminomethyl]amino]-4-methyl-, ethyl ester (CA INDEX NAME)



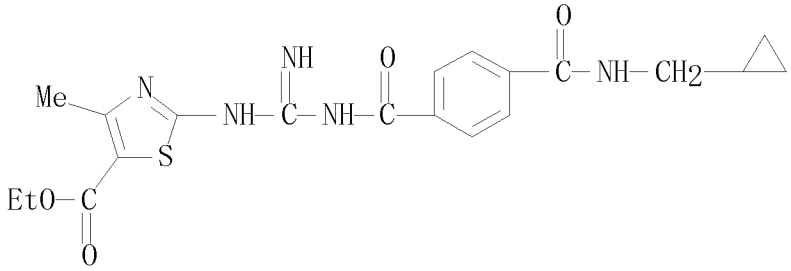
RN 693809-57-3 CAPLUS
CN 5-Thiazolecarboxylic acid, 2-[[[[4-[[(2-hydroxyethyl)propylamino]carbonyl]benzoyl]amino]iminomethyl]amino]-4-methyl-, ethyl ester (CA INDEX NAME)



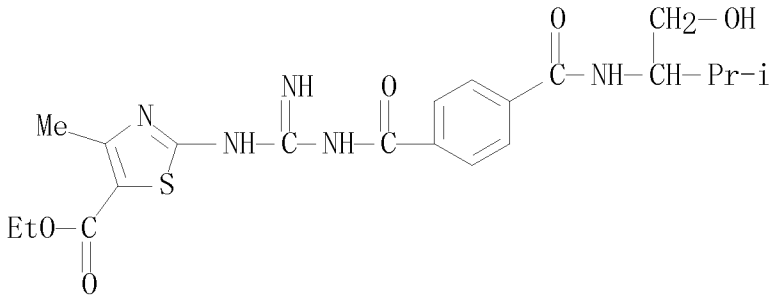
RN 693809-58-4 CAPLUS
CN 5-Thiazolecarboxylic acid, 2-[[imino[[4-[[(tetrahydro-2-oxo-3-thienyl)amino]carbonyl]benzoyl]amino]methyl]amino]-4-methyl-, ethyl ester (CA INDEX NAME)



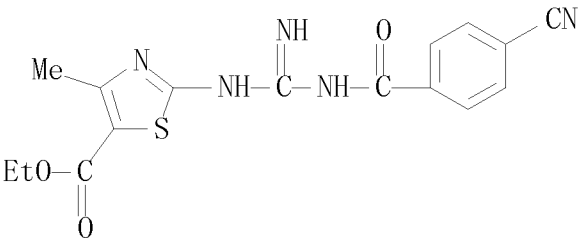
RN 693809-59-5 CAPLUS
CN 5-Thiazolecarboxylic acid, 2-[[[[4-[[(cyclopropylmethyl)amino]carbonyl]benzoyl]amino]iminomethyl]amino]-4-methyl-, ethyl ester (CA INDEX NAME)



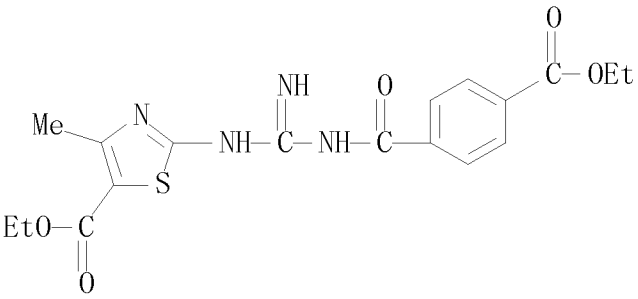
RN 693809-60-8 CAPLUS
CN 5-Thiazolecarboxylic acid, 2-[[[[4-[[[1-(hydroxymethyl)-2-methylpropyl]amino]carbonyl]benzoyl]amino]iminomethyl]amino]-4-methyl-, ethyl ester (CA INDEX NAME)



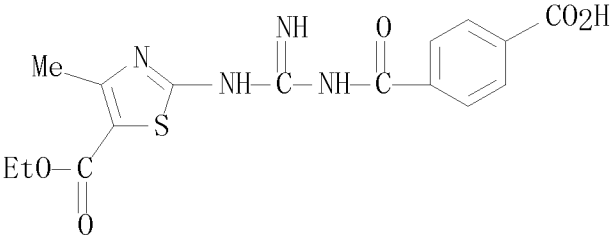
RN 693809-61-9 CAPLUS
CN 5-Thiazolecarboxylic acid, 2-[[[(4-cyanobenzoyl)amino]iminomethyl]amino]-4-methyl-, ethyl ester (CA INDEX NAME)



IT 693809-64-2P 693809-65-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of thiazolylbenzoylguanidines for treatment of leukocyte activation-associated disorders)
RN 693809-64-2 CAPLUS
CN 5-Thiazolecarboxylic acid, 2-[[[[4-(ethoxycarbonyl)benzoyl]amino]iminomethyl]amino]-4-methyl-, ethyl ester (CA INDEX NAME)



RN 693809-65-3 CAPLUS
CN 5-Thiazolecarboxylic acid, 2-[[[(4-carboxybenzoyl)amino]iminomethyl]amino]-4-methyl-, 5-ethyl ester (CA INDEX NAME)



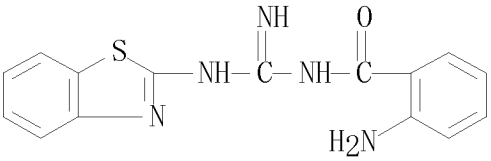
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 6 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2003:926285 CAPLUS
DOCUMENT NUMBER: 140:321316
TITLE: Condensation of isatoic anhydride with hetarylguanidines
AUTHOR(S): Shikhaliev, Kh. S.; Kryl'skii, D. V.; Shestakov, A. S.; Falaleev, A. V.
CORPORATE SOURCE: Voronezh State University, Voronezh, Russia
SOURCE: Russian Journal of General Chemistry (Translation of Zhurnal Obshchei Khimii) (2003), 73(7), 1147-1150
CODEN: RJGCEK; ISSN: 1070-3632
PUBLISHER: MAIK Nauka/Interperiodica Publishing
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 140:321316
GRAPHIC IMAGE:

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

ABSTRACT:
Condensation of isatoic anhydride with 4-methylquinazolin-2-yl, 2-benzoxazolyl-, 2-benzothiazolyl-, and 4,6-dimethylpyrimidin-2-ylguanidines I, II [X = O, S (III)], IV, resp., leads to the corresponding 2-hetarylamino-4-hydroxy-quinazolines, e.g, V, as a result of cyclization of intermediate anthranilic acid hetarylguanidides, e.g., VI. These intermediates can be isolated as individual compds.

IT 375352-15-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of heteroarylaminoquinazolines via condensation of isatoic anhydrides with heteroarylguanidines followed by intramol. cyclization with elimination of ammonia)
RN 375352-15-1 CAPLUS
CN Benzamide, 2-amino-N-[(2-benzothiazolylamino)iminomethyl]- (CA INDEX NAME)

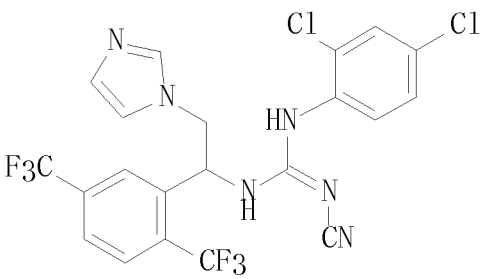


OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)
REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 7 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2003:472616 CAPLUS
DOCUMENT NUMBER: 139:53018
TITLE: Preparation of (1-phenyl-2-heteroaryl)ethylguanidines as inhibitors of mitochondrial F1F0 ATPase
INVENTOR(S): Atwal, Karnail S.; Grover, Gary J.; Ding, Charles Z.; Stein, Philip D.; Lloyd, John; Ahmad, Saleem; Hamann, Lawrence G.; Green, David; Ferrara, Francis N.
PATENT ASSIGNEE(S): Bristol-Myers Squibb Company, USA
SOURCE: PCT Int. Appl., 130 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003050261	A2	20030619	WO 2002-US39478	20021210
WO 2003050261	A3	20040226		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002357137	A1	20030623	AU 2002-357137	20021210
US 20040039033	A1	20040226	US 2002-315818	20021210
US 6916813	B2	20050712		
EP 1450901	A2	20040901	EP 2002-804765	20021210
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				

PRIORITY APPLN. INFO.: US 2001-339108P P 20011210
WO 2002-US39478 W 20021210
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 139:53018
GRAPHIC IMAGE:

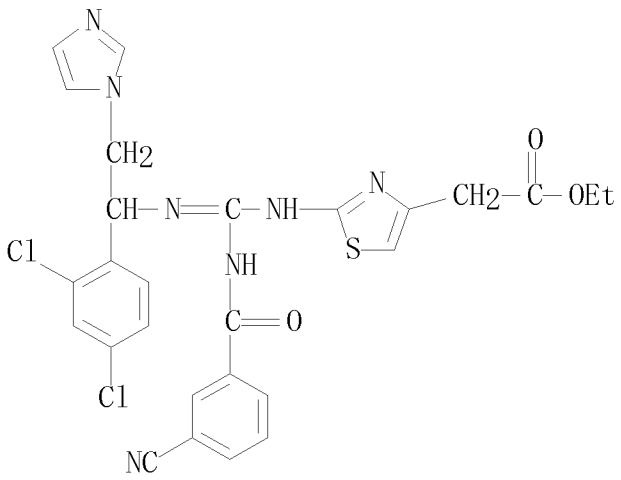


I

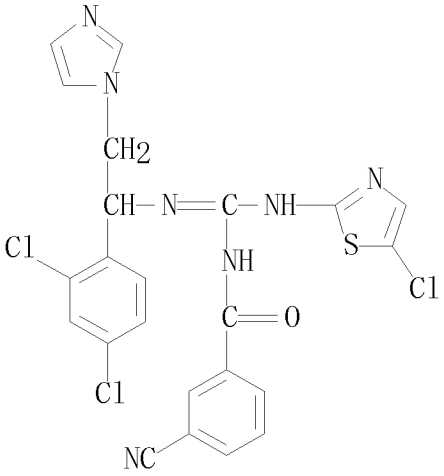
ABSTRACT:
ZCH2CHRNHC(:NR1)NR2R3 [Z = heteroaryl; R = (un)substituted Ph; R1 = CN, sulfonyl, acyl, heteroaryl; R2 = H, (un)substituted alkyl; R3 = H, (un)substituted alkyl, alkylthio, aminoalkyl, carbamoyl, aryl, aralkyl, heterocyclic, heterocyclylalkyl, cycloalkyl, cycloalkylalkyl; NR2R3 = heterocyclic] were prepared and are useful for modulating mitochondrial F1F0 ATPase activity and treating ischemic conditions including myocardial infarction, congestive heart failure, and cardiac arrhythmias. Thus, 2,5-(F3C)2C6H3COCl was treated with MeMgBr to give 2,5-(F3C)2C6H3COMe, which was brominated to give 2,5-(F3C)2C6H3COCH2Br. This compound was treated with imidazole, reduced to the alc., converted to the amine, and treated with 2,4-Cl2C6H3NHCONHCN to give the guanidine I.

IT 545407-28-1P 545407-30-5P 545407-41-8P
545408-52-4P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of (1-phenyl-2-heteroaryl)ethylguanidines as inhibitors of mitochondrial F1F0 ATPase)

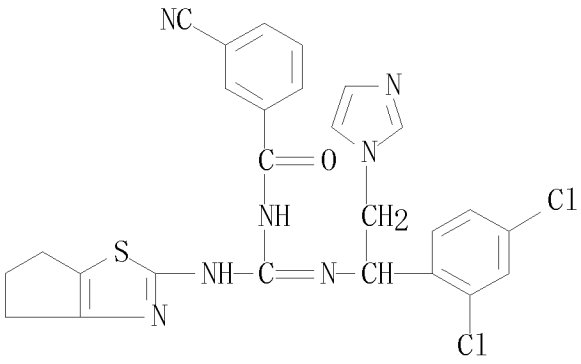
RN 545407-28-1 CAPLUS
CN 4-Thiazoleacetic acid, 2-[[[(3-cyanobenzoyl)imino][[1-(2,4-dichlorophenyl)-2-(1H-imidazol-1-yl)ethyl]amino]methyl]amino]-, ethyl ester (CA INDEX NAME)



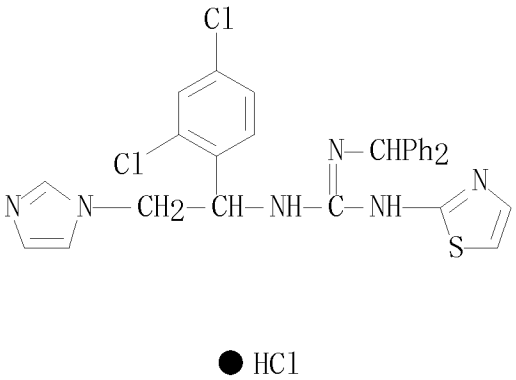
RN 545407-30-5 CAPLUS
CN Benzamide, N-[[(5-chloro-2-thiazolyl)amino][[1-(2,4-dichlorophenyl)-2-(1H-imidazol-1-yl)ethyl]amino]methylene]-3-cyano- (CA INDEX NAME)



RN 545407-41-8 CAPLUS
CN Benzamide, 3-cyano-N-[[[1-(2,4-dichlorophenyl)-2-(1H-imidazol-1-yl)ethyl]amino][(5,6-dihydro-4H-cyclopentathiazol-2-yl)amino]methylene]- (CA INDEX NAME)



RN 545408-52-4 CAPLUS
CN Guanidine, N-[1-(2,4-dichlorophenyl)-2-(1H-imidazol-1-yl)ethyl]-N'-(diphenylmethyl)-N''-2-thiazolyl-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

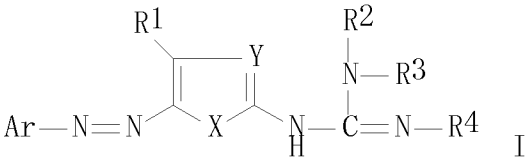
OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD

(3 CITINGS)
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 8 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2003:131260 CAPLUS
DOCUMENT NUMBER: 138:172022
TITLE: Ink-jet printing and inks therefor forming lightfast images with good hue
INVENTOR(S): Matsushita, Tetsunori
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 49 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003049104	A	20030221	JP 2001-240547	20010808

PRIORITY APPLN. INFO.: JP 2001-240547 20010808
OTHER SOURCE(S): MARPAT 138:172022
GRAPHIC IMAGE:



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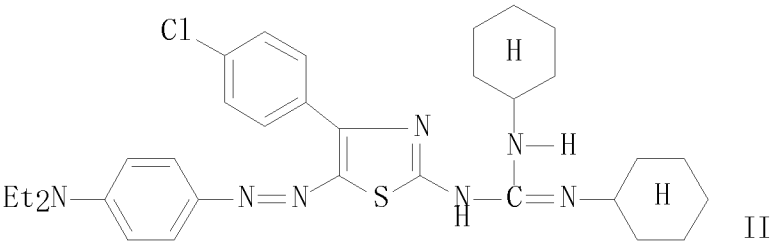
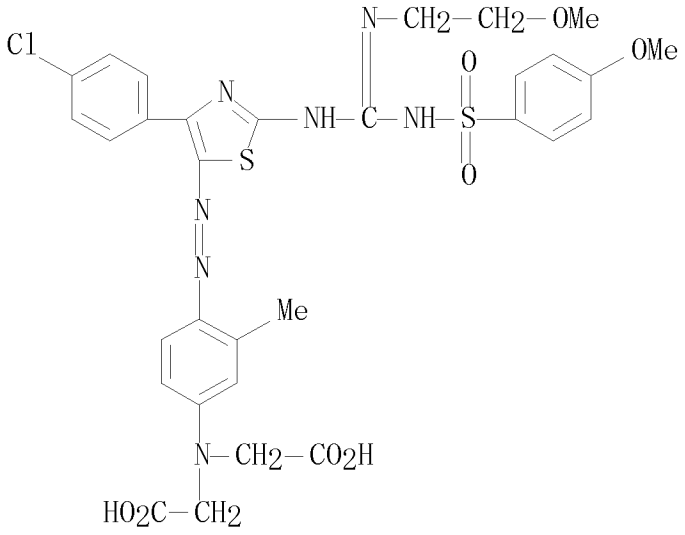


II

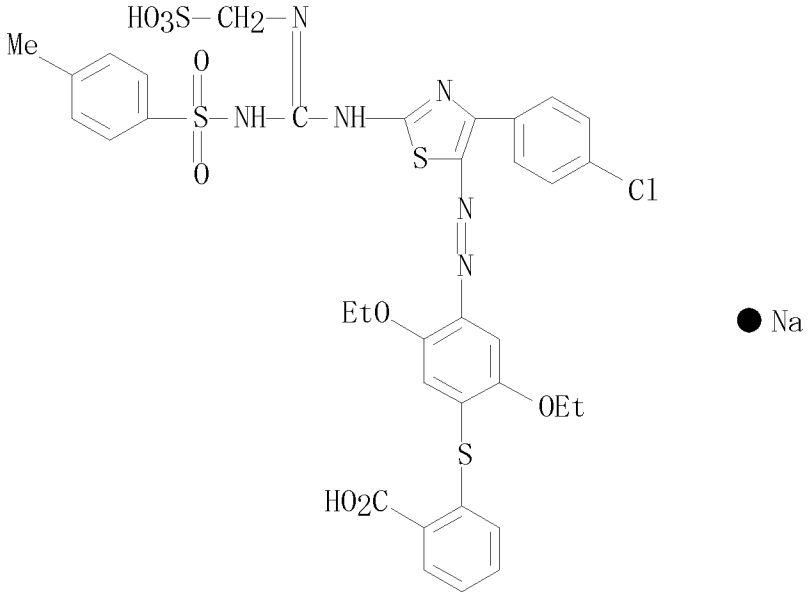
ABSTRACT:
The inks contain sp. diazo dyes I [Ar = aryl, heterocycle; R1 = H, halo, nitrile, hydroxy, etc.; M = metal; n = 1-4; R2-R4 = H, alkyl, aryl, etc.; X = NR5 (R5 = H, alkyl, aryl, etc.), O, S; Y = CR6 (R6 = the same definition as R1), N]. Thus, an aqueous ink containing II formed images having excellent light and blotting resistance.

IT 497819-49-5 497819-54-2
RL: TEM (Technical or engineered material use); USES (Uses)
(ink-jet inks containing sp. azo dyes having guanidino group and forming light-resistant images with good hue)
RN 497819-49-5 CAPLUS
CN Glycine, N-(carboxymethyl)-N-[4-[[4-(4-chlorophenyl)-2-[[[(2-methoxyethyl)amino][[(4-methoxyphenyl)sulfonyl]amino]methylene]amino]-5-

thiazolyl]azo]-3-methylphenyl]- (9CI) (CA INDEX NAME)



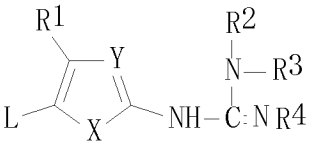
RN 497819-54-2 CAPLUS
CN Benzoic acid, 2-[[4-[2-[4-(4-chlorophenyl)-2-[[[[(4-methylphenyl)sulfonyl]amino][(sulfomethyl)imino]methyl]amino]-5-thiazolyl]diazenyl]-2,5-diethoxyphenyl]thio]-, sodium salt (1:1) (CA INDEX NAME)



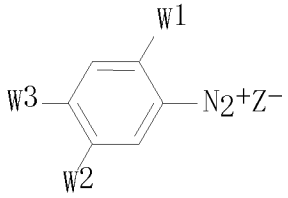
L7 ANSWER 9 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2003:124148 CAPLUS
DOCUMENT NUMBER: 138:161139
TITLE: Heat-developable diazo recording material
INVENTOR(S): Matsushita, Tetsunori
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 35 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003048376	A	20030218	JP 2001-240546	20010808
PRIORITY APPLN. INFO.:			JP 2001-240546	20010808

OTHER SOURCE(S): MARPAT 138:161139
GRAPHIC IMAGE:



I

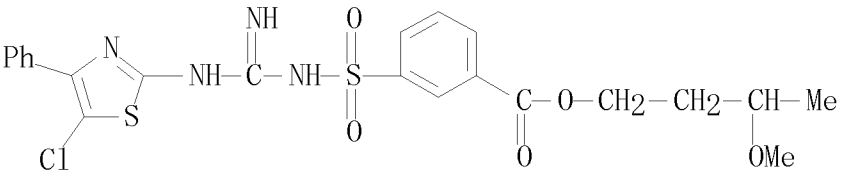


II

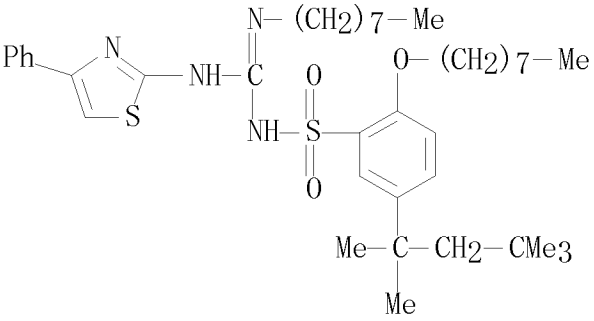
ABSTRACT:
The material contains (1) a coupler I (R1 = H, halo, nitryl, OH, alkyl, aryl, alkoxy, aryloxy, alkylthio, arylthio, alkylcarbonyl, arylcarbonyl, alkylsulfonyl, arylsulfonyl, alkoxycarbonyl, aryloxycarbonyl, alkylaminocarbonyl, arylaminocarbonyl, alkylaminosulfonyl, arylaminosulfonyl, amino, acylamino, alkylsulfonylamino, arylsulfonylamino; R2-4 = H, alkyl, aryl, alkylcarbonyl, arylcarbonyl, alkylsulfonyl, arylsulfonyl, alkoxycarbonyl, aryloxycarbonyl, dialkylphosphoryl, diarylphosphoryl, dialkoxyphosphoryl, diaryloxyphosphoryl; R2 and R3 may form a ring; X = NR5, O, S; R5 = H, alkyl, aryl, alkylcarbonyl, arylcarbonyl, alkylsulfonyl, arylsulfonyl; Y = N, CR6; R6 = R1; L = H, releasing group) and (2) a diazonium salt II (W1, W2 = H, halo, nitryl, OH, alkyl, aryl, aralkyl, alkenyl, heterocycle, alkoxy, aryloxy, alkylthio, arylthio, heterocyclic thiol, alkylcarbonyl, arylcarbonyl, alkylsulfonyl, arylsulfonyl, alkoxycarbonyl, aryloxycarbonyl, alkylaminocarbonyl, arylaminocarbonyl, alkylaminosulfonyl, arylaminosulfonyl, acylamino, alkylsulfonylamino, arylsulfonylamino; W3 = H, OH, alkyl, aryl, aralkyl, alkenyl, heterocycle, alkoxy, aryloxy, alkylthio, arylthio, heterocyclic thiol, amino, acylamino, alkylsulfonylamino, arylsulfonylamino; Z- = anion). It shows improved color tint and background whiteness.

IT 496877-32-8 496877-33-9 496877-34-0
496877-35-1
RL: TEM (Technical or engineered material use); USES (Uses)
(heat-developable diazo recording material using specific coupler)
RN 496877-32-8 CAPLUS
CN Benzoic acid, 3-[[[[(5-chloro-4-phenyl-2-thiazolyl)amino]iminomethyl]amino]sulfonyl]-, 3-methoxybutyl ester (CA

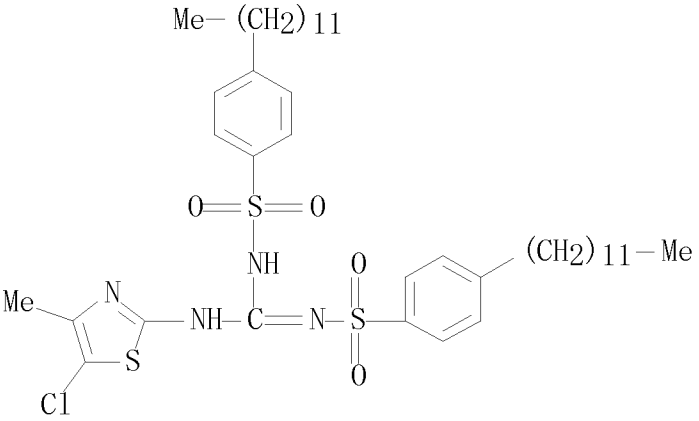
INDEX NAME)



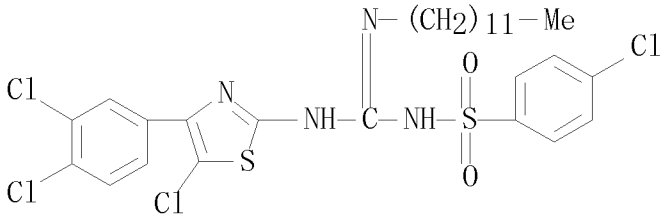
RN 496877-33-9 CAPLUS
CN Benzenesulfonamide, N-[(octylimino)[(4-phenyl-2-thiazolyl)amino]methyl]-2-(octyloxy)-5-(1,1,3,3-tetramethylbutyl)- (CA INDEX NAME)



RN 496877-34-0 CAPLUS
CN Benzenesulfonamide, N,N'-[(5-chloro-4-methyl-2-thiazolyl)carbonimidoyl]bis[4-dodecyl- (9CI) (CA INDEX NAME)



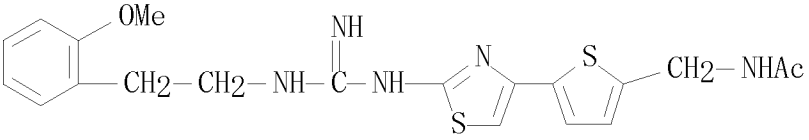
RN 496877-35-1 CAPLUS
CN Benzenesulfonamide, 4-chloro-N-[[[5-chloro-4-(3,4-dichlorophenyl)-2-thiazolyl]amino](dodecylimino)methyl]- (CA INDEX NAME)


N– (CH2) 11 – Me
Cl
O
Cl
N
NH – C – NH – S
S
O
Cl
Cl

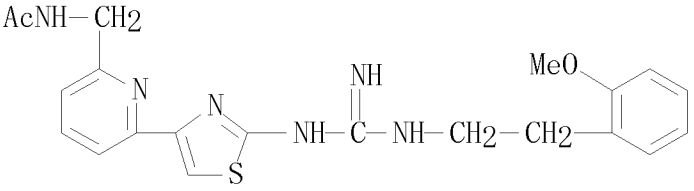
L7 ANSWER 10 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2001:836782 CAPLUS
DOCUMENT NUMBER: 136:118413
TITLE: Anti-Helicobacter pylori Agents. 5. 2-(Substituted guanidino)-4-arylthiazoles and Aryloxazole Analogues
AUTHOR(S): Katsura, Yousuke; Nishino, Shigetaka; Inoue, Yoshikazu; Sakane, Kazuo; Matsumoto, Yoshimi; Morinaga, Chizu; Ishikawa, Hirohumi; Takasugi, Hisashi
CORPORATE SOURCE: Medicinal Chemistry Research Laboratories and Medicinal Biology Research Laboratories, Fujisawa Pharmaceutical Company Ltd., Yodogawa-ku, Osaka, 532-8514, Japan
SOURCE: Journal of Medicinal Chemistry (2002), 45(1), 143-150
CODEN: JMCMAR; ISSN: 0022-2623
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 136:118413
ABSTRACT:
To extend the SAR study of guanidinothiazoles as a structurally novel class of anti-H. pylori agents, a series of 2-(substituted guanidino)-4-arylthiazoles and some 4-aryloxazole analogs were synthesized and evaluated for antimicrobial activity against H. pylori. Some of them were also subjected to H2 antagonist and gastric antisecretory assays. Several arylthiazoles were identified as potent anti-H. pylori agents, and of these, a thienylthiazole derivative exhibited the strongest activity (MIC = 0.0065 μg/mL) among the compds. obtained in our guanidinothiazole studies. Although the thienylthiazole derivative was void of H2 antagonist activity, a pyridylthiazole derivative had both potent anti-H. pylori and H2 antagonist activities. On the other hand, no attractive activities were found in pyrimidyl, oxazolyl, isoxazolyl, imidazolyl, and oxadiazolylthiazole derivs. The anti-H. pylori activity of the aryloxazole analogs was weaker than those of the corresponding arylthiazole derivs., though they had potent H2 antagonist activity.

IT 184581-85-9P 390817-74-0P 390817-75-1P
390817-76-2P 390817-78-4P 390817-79-5P
390817-80-8P 390817-81-9P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation of guanidinoarylthiazoles and aryloxazoles and their antimicrobial activity against H. pylori., H2 antagonist activity, and gastric antisecretory assays)

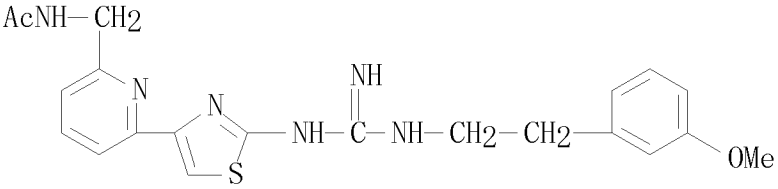
RN 184581-85-9 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-thienyl]methyl]- (CA INDEX NAME)



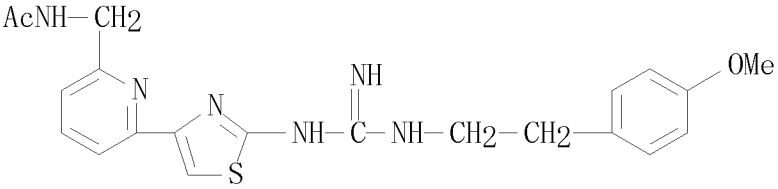
RN 390817-74-0 CAPLUS
CN Acetamide, N-[[6-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-pyridinyl]methyl]- (CA INDEX NAME)



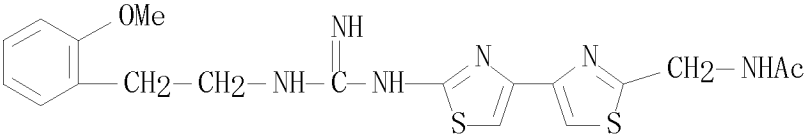
RN 390817-75-1 CAPLUS
CN Acetamide, N-[[6-[2-[[imino[[2-(3-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-pyridinyl]methyl]- (CA INDEX NAME)



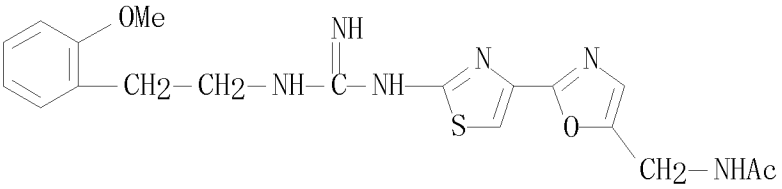
RN 390817-76-2 CAPLUS
CN Acetamide, N-[[6-[2-[[imino[[2-(4-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-pyridinyl]methyl]- (CA INDEX NAME)



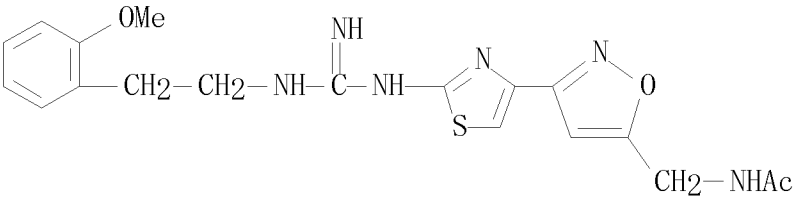
RN 390817-78-4 CAPLUS
CN Acetamide, N-[[2'-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino][4,4'-bithiazol]-2-yl]methyl]- (CA INDEX NAME)



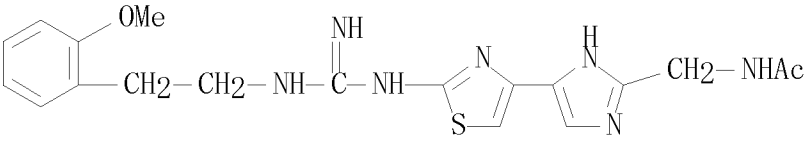
RN 390817-79-5 CAPLUS
CN Acetamide, N-[[2-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-5-oxazolyl]methyl]- (CA INDEX NAME)



RN 390817-80-8 CAPLUS
CN Acetamide, N-[[3-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-5-isoxazolyl]methyl]- (CA INDEX NAME)



RN 390817-81-9 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-1H-imidazol-2-yl]methyl]-, hydrochloride (1:?) (CA INDEX NAME)

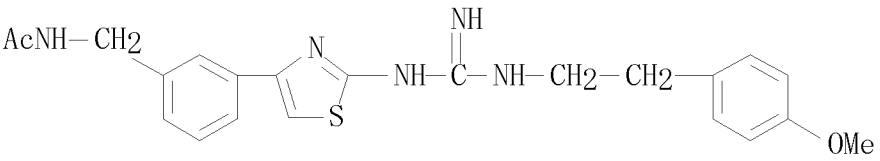


●x HCl

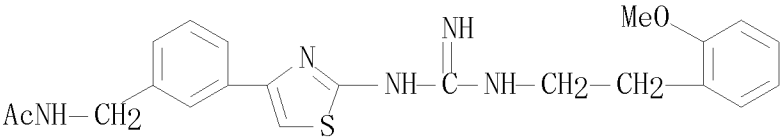
OS.CITING REF COUNT: 9 THERE ARE 9 CAPLUS RECORDS THAT CITE THIS RECORD (9 CITINGS)
REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 11 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2000:523449 CAPLUS
DOCUMENT NUMBER: 133:281719
TITLE: Anti-Helicobacter pylori Agents. 4. 2-(Substituted guanidino)-4-phenylthiazoles and Some Structurally Rigid Derivatives
AUTHOR(S): Katsura, Yousuke; Tomishi, Tetsuo; Inoue, Yoshikazu; Sakane, Kazuo; Matsumoto, Yoshimi; Morinaga, Chizu; Ishikawa, Hirohumi; Takasugi, Hisashi
CORPORATE SOURCE: Medicinal Chemistry Research Laboratories and Medicinal Biology Research Laboratories, Fujisawa Pharmaceutical Company Ltd., Osaka, 532-8514, Japan
SOURCE: Journal of Medicinal Chemistry (2000), 43(17), 3315-3321
CODEN: JMCMAR; ISSN: 0022-2623
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 133:281719
ABSTRACT:
In order to find a new class of anti-Helicobacter pylori (H. pylori) agents, a series of 4-[(3-acetamido)phenyl]-2-(substituted guanidino)thiazoles and some structurally rigid analogs were synthesized and evaluated for antimicrobial activity against H. pylori. Among the compds. obtained, high anti-H. pylori activities were observed in N-[[3-[2-[[imino[(phenylmethyl)amino]methyl]amino]-4-thiazolyl]phenyl]methyl]acetamide (MIC = 0.025 μg/mL) and N-[[3-[2-[[imino[(2-phenylethyl)amino]methyl]amino]-4-thiazolyl]phenyl]methyl]acetamide (MIC = 0.037 μg/mL) and N-[[3-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]phenyl]methyl]acetamide (MIC = 0.017 μg/mL). Though alkyl derivs. generally showed lower activity, N-[[3-[2-[[imino[(2-methoxyethyl)amino]methyl]amino]-4-thiazolyl]phenyl]methyl]acetamide preserved significant activity (MIC = 0.32 μg/mL) and also exhibited more potent gastric antisecretory activity than ranitidine. Structural restriction by bridging between the thiazole and the Ph rings with an alkyl chain did not improve the activity in this series.

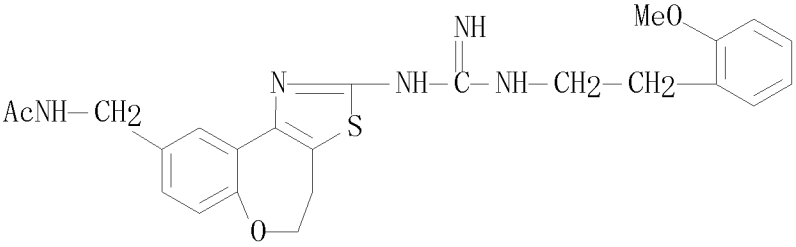
IT 149917-20-4P, N-[[3-[2-[[Imino[[2-(4-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]phenyl]methyl]acetamide 178105-05-0P, N-[[3-[2-[[Imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]phenyl]methyl]acetamide 299402-94-1P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation of (guanidino)phenylthiazoles and structurally rigid derivs. for inhibition of Helicobacter pylori)
RN 149917-20-4 CAPLUS
CN Acetamide, N-[[3-[2-[[imino[[2-(4-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]phenyl]methyl]- (CA INDEX NAME)



RN 178105-05-0 CAPLUS
CN Acetamide, N-[[3-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]phenyl]methyl]- (CA INDEX NAME)



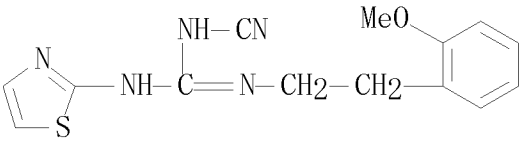
RN 299402-94-1 CAPLUS
CN Acetamide, N-[[4,5-dihydro-2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino][1]benzoxepino[5,4-d]thiazol-9-yl]methyl]- (CA INDEX NAME)



OS.CITING REF COUNT: 17 THERE ARE 17 CAPLUS RECORDS THAT CITE THIS RECORD (17 CITINGS)
REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 12 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2000:146887 CAPLUS
DOCUMENT NUMBER: 132:293646
TITLE: Bioisosteric modification of PETT-HIV-1 RT-inhibitors: synthesis and biological evaluation
AUTHOR(S): Hogberg, Marita; Engelhardt, Per; Vrang, Lotta; Zhang, Hong
CORPORATE SOURCE: Medivir AB, Huddinge, S-141 44, Swed.
SOURCE: Bioorganic & Medicinal Chemistry Letters (2000), 10(3), 265-268
CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
ABSTRACT:
Bioisosteric substitution of the thiourea and urea moiety of PETT [i.e., phenylethyl thiazolyl thiourea] compds. with a sulfamide, cyanoguanidine and guanidine functionalities, and replacement of the phenethyl group with benzoylethyl group were studied. Synthesis and antiviral activities are described. Example compds. are N-(5-chloro-2-pyridinyl)-N'-(2-phenylethyl)sulfamide, N-(5-chloro-2-pyridinyl)-N'-(2-phenylethyl)thiourea, N-[2-(2-methoxyphenyl)ethyl]-N'-(2-thiazolyl)thiourea, or N-cyano-N'-[2-(2-methoxyphenyl)ethyl]-N''-(2-thiazolyl)guanidine.

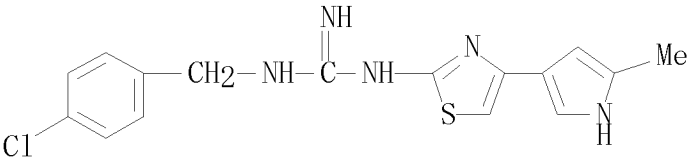
IT 264601-96-9P, N-Cyano-N'-[2-(2-methoxyphenyl)ethyl]-N''-(2-thiazolyl)guanidine
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation, and bioisosteric modification of phenylethyl thiazolyl thiourea-type HIV-1 reverse transcriptase inhibitors)
RN 264601-96-9 CAPLUS
CN Guanidine, N-cyano-N'-[2-(2-methoxyphenyl)ethyl]-N''-2-thiazolyl- (CA INDEX NAME)



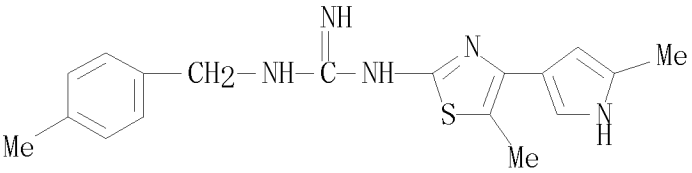
OS.CITING REF COUNT: 23 THERE ARE 23 CAPLUS RECORDS THAT CITE THIS RECORD (23 CITINGS)
REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 13 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1999:683956 CAPLUS
DOCUMENT NUMBER: 132:117084
TITLE: Superpendentic Index: a novel topological descriptor for predicting biological activity. [Erratum to document cited in CA131:179]
AUTHOR(S): Gupta, S.; Singh, M.; Madan, A. K.
CORPORATE SOURCE: Dep. Pharmaceutical Sciences and Drug Research, Punjabi Univ., Patiala, 147 002, India
SOURCE: Journal of Chemical Information and Computer Sciences (1999), 39(6), 1230
CODEN: JCISD8; ISSN: 0095-2338
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
ABSTRACT:
The corrected equation for page 272 is given.

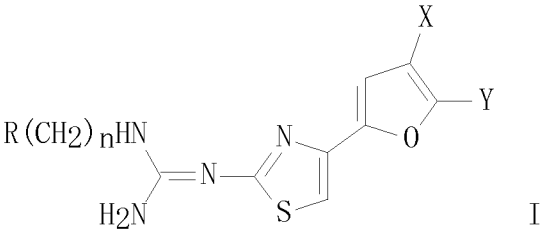
IT 123309-54-6 123309-67-1
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(superpendentic index as a novel topol. descriptor for predicting biol. activity (Erratum))
RN 123309-54-6 CAPLUS
CN Guanidine, N-[(4-chlorophenyl)methyl]-N'-[4-(5-methyl-1H-pyrrol-3-yl)-2-thiazolyl]- (CA INDEX NAME)



RN 123309-67-1 CAPLUS
CN Guanidine, N-[5-methyl-4-(5-methyl-1H-pyrrol-3-yl)-2-thiazolyl]-N'-[(4-methylphenyl)methyl]- (CA INDEX NAME)



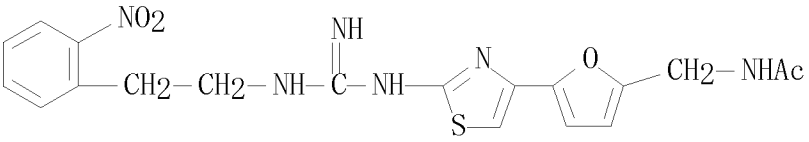
L7 ANSWER 14 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1999:431080 CAPLUS
DOCUMENT NUMBER: 131:170292
TITLE: Anti-Helicobacter pylori agents. 3. 2-[(Arylalkyl)guanidino]-4-furylthiazoles
AUTHOR(S): Katsura, Yousuke; Nishino, Shigetaka; Ohno, Mitsuko; Sakane, Kazuo; Matsumoto, Yoshimi; Morinaga, Chizu; Ishikawa, Hirohumi; Takasugi, Hisashi
CORPORATE SOURCE: Medicinal Chemistry Research Laboratories and Medicinal Biology Research Laboratories, Fujisawa Pharmaceutical Company Ltd., Yodogawa-ku Osaka, 532-8514, Japan
SOURCE: Journal of Medicinal Chemistry (1999), 42(15), 2920-2926
CODEN: JMCMAR; ISSN: 0022-2623
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
GRAPHIC IMAGE:



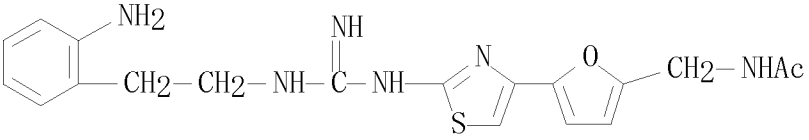
I

ABSTRACT:
A series of 2-[(arylalkyl)guanidino]-4-[(5-acetamidomethyl)furan-2-yl]thiazoles and some 4-acetamidomethyl positional isomers, I (R = 2-MeOC6H4, 2-furyl, 4-pyridinyl, etc., X = H, Me, CH2NHAc, Y = CH2NHAc, H, Me, n= 0-3), were synthesized and evaluated for antimicrobial activity against Helicobacter pylori. Though I (R = 2-MeOC6H4, X = Me, Y = CH2NHAc, n = 2) (II), an analog incorporating a Me group onto the furan nucleus of I (R = 2-MeOC6H4, X = H, Y = CH2NHAc, n = 2), and I (R = 2-MeOC6H4, X = CH2NHAc, Y = Me, n = 2), a positional isomer of II, also showed potent anti-H. pylori activity, the H2 antagonism profile was eliminated from these compds. Thus, two types of potent anti-H. pylori agents could be derived from the same scaffold.

IT 168970-67-0P 168971-00-4P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)
(preparation and bactericidal activity of [(arylalkyl)guanidino]furylthiazoles)
RN 168970-67-0 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-(2-nitrophenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)

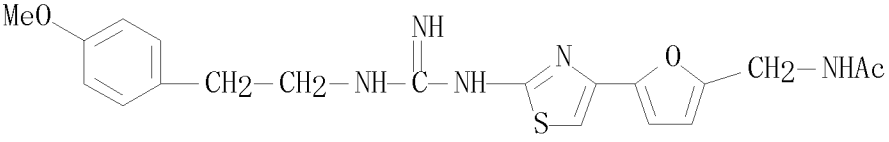


RN 168971-00-4 CAPLUS
CN Acetamide, N-[[5-[2-[[[[2-(2-aminophenyl)ethyl]amino]iminomethyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)

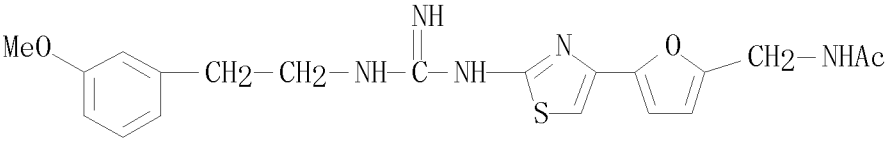


IT 168969-99-1P 168970-27-2P 168970-32-9P
168970-40-9P 168970-43-2P 168970-48-7P
168970-77-2P 168970-80-7P 168970-81-8P
168971-01-5P 168971-45-7P 168971-46-8P
239123-72-9P 239123-73-0P 239123-74-1P
239123-75-2P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and bactericidal activity of [(arylalkyl)guanidino]furylthiazoles)

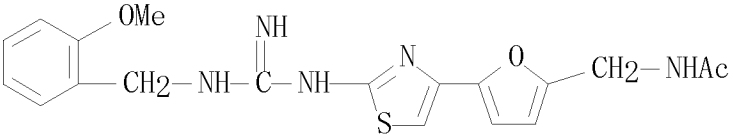
RN 168969-99-1 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-(4-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



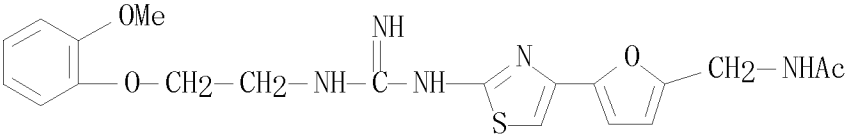
RN 168970-27-2 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-(3-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



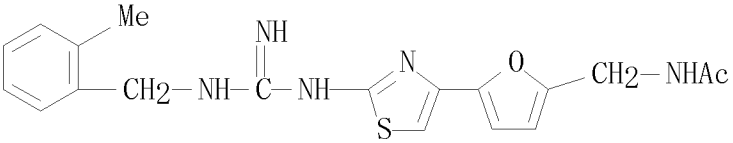
RN 168970-32-9 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[(2-methoxyphenyl)methyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



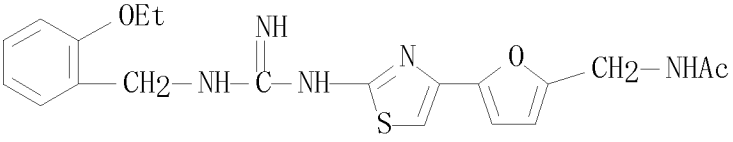
RN 168970-40-9 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-(2-methoxyphenoxy)ethyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



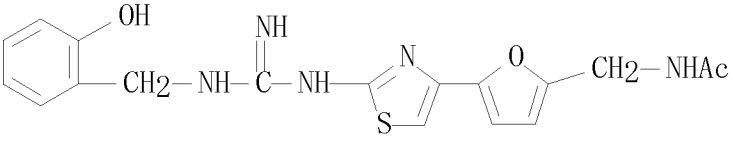
RN 168970-43-2 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[(2-methylphenyl)methyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



RN 168970-48-7 CAPLUS
CN Acetamide, N-[[5-[2-[[[[(2-ethoxyphenyl)methyl]amino]iminomethyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



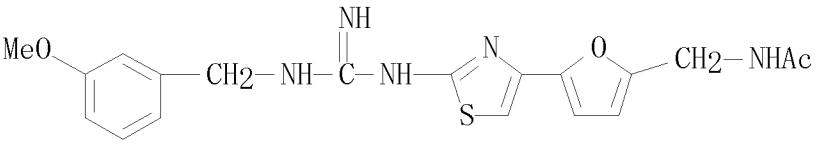
RN 168970-77-2 CAPLUS
CN Acetamide, N-[[5-[2-[[[[(2-hydroxyphenyl)methyl]amino]iminomethyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



RN 168970-80-7 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[(3-methoxyphenyl)methyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]-, ethanedioate (1:1) (CA INDEX NAME)

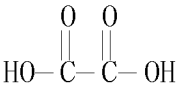
CM 1

CRN 168970-79-4
CMF C19 H21 N5 O3 S

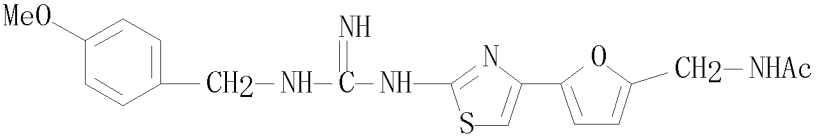


CM 2

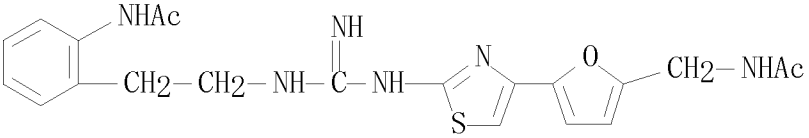
CRN 144-62-7
CMF C2 H2 O4



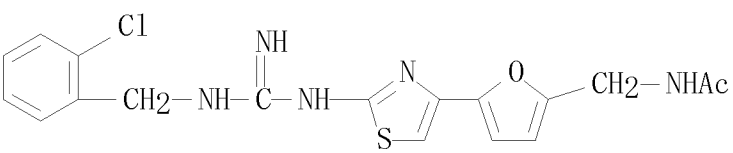
RN 168970-81-8 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[(4-methoxyphenyl)methyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



RN 168971-01-5 CAPLUS
CN Acetamide, N-[2-[2-[[[[4-[5-[(acetylamino)methyl]-2-furanyl]-2-thiazolyl]amino]iminomethyl]amino]ethyl]phenyl]- (CA INDEX NAME)



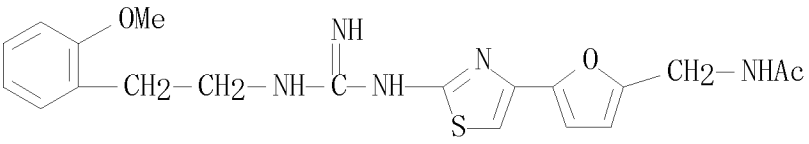
RN 168971-45-7 CAPLUS
CN Acetamide, N-[[5-[2-[[[[(2-chlorophenyl)methyl]amino]iminomethyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



RN 168971-46-8 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]-, ethanedioate (1:1) (CA INDEX NAME)

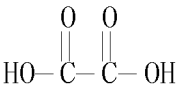
CM 1

CRN 168970-03-4
CMF C20 H23 N5 O3 S

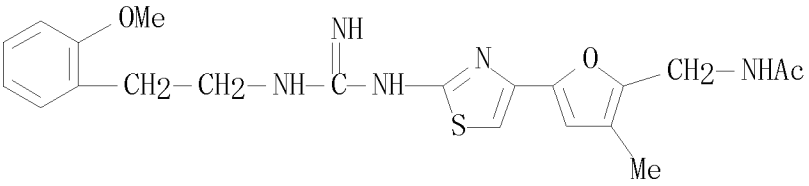


CM 2

CRN 144-62-7
CMF C2 H2 O4

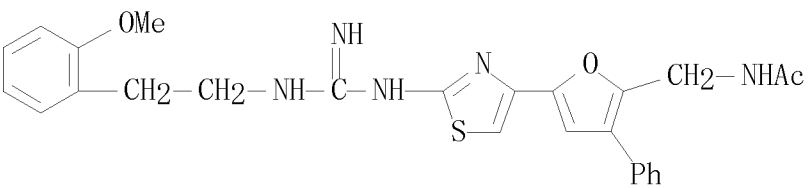


RN 239123-72-9 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-3-methyl-2-furanyl]methyl]-, hydrochloride (1:1) (CA INDEX NAME)

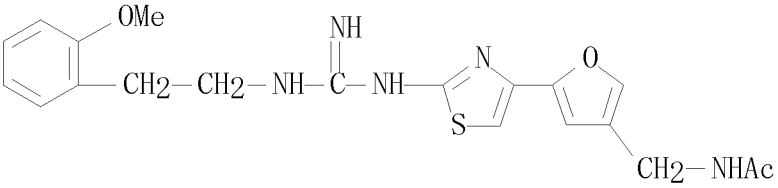


● HCl

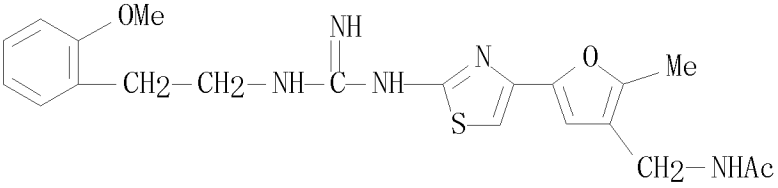
RN 239123-73-0 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-3-phenyl-2-furanyl]methyl]- (CA INDEX NAME)



RN 239123-74-1 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-3-furanyl]methyl]- (CA INDEX NAME)



RN 239123-75-2 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-methyl-3-furanyl]methyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

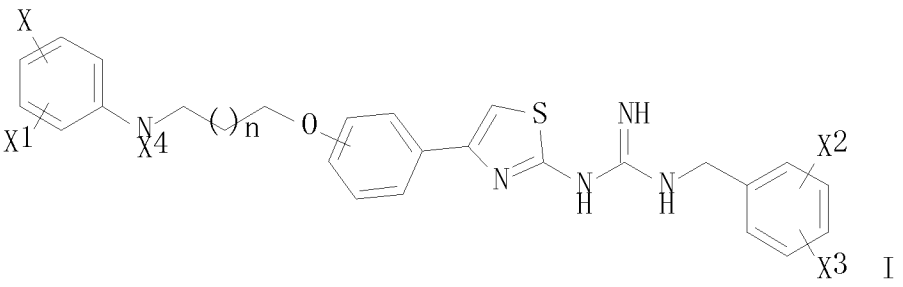
OS.CITING REF COUNT: 20 THERE ARE 20 CAPLUS RECORDS THAT CITE THIS RECORD (20 CITINGS)
REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 15 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1999:184249 CAPLUS
DOCUMENT NUMBER: 130:237560
TITLE: Preparation of thiazolylguanidines as protease inhibitors.
INVENTOR(S): Christensen, Siegfried Benjamin, IV; Desjarlais, Renee Louise; Forster, Cornelia Jutta
PATENT ASSIGNEE(S): SmithKline Beecham Corporation, USA
SOURCE: PCT Int. Appl., 44 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9911637	A1	19990311	WO 1998-US18289	19980903
W: AL, AU, BA, BB, BG, BR, CA, CN, CZ, EE, GE, HU, ID, IL, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2302361	A1	19990311	CA 1998-2302361	19980903
AU 9893002	A	19990322	AU 1998-93002	19980903
ZA 9808064	A	19990528	ZA 1998-8064	19980903
EP 1015438	A1	20000705	EP 1998-945850	19980903
R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
JP 2001514257	T	20010911	JP 2000-508676	19980903

PRIORITY APPLN. INFO.: US 1997-57527P P 19970904
WO 1998-US18289 W 19980903

OTHER SOURCE(S): MARPAT 130:237560
GRAPHIC IMAGE:



I

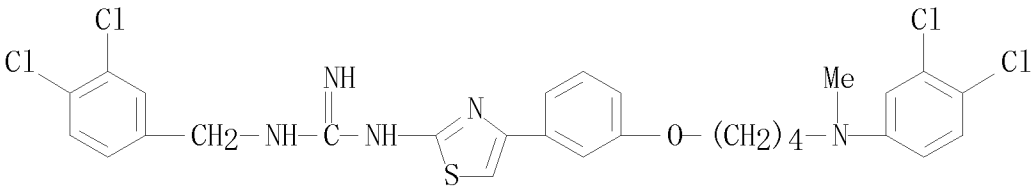
ABSTRACT:
Title compds. [I; X, X1, X2, X3 = H, alkyl, fluoroalkyl, C3-7 cycloalkyl, cyano, COR1, CO2R1, CONR1R2, C(NR1)NR1R2, C(NCN)NR1R2, C(NCN)SR3, NO2, NR1SO2R3, NR1COR1, NR1R2, NR1(C:NR1)NR1R2, NR1C(O)NR1R2, NR1COR1, NR1COOR3, NR1C(NCN)SR3, NR1C(NCN)NR1R2, NR1COCONR1R2, NR1COCOR2, Cl, Br, iodo, F, OR1, O(CH2)qOR3, OCH2CH2OH, OC(O)R1, O(CH2)qCONR1R2, O(CH2)qCOR1, SR1, SO2NR1R2,

S(O)mR3; m, n = 0-2; q = 1, 2; R1 = H, alkyl, CF3, CH2CF3; NR1R2 = 5-7 membered (heterocyclic) ring; R2 = H, alkyl, CF3, CH2CF3; R3 = alkyl, CF3, CH2CF3; X4 = H, alkyl, C3-7 cycloalkyl, COAr, alkoxycarbonyl, CO2Ar; Ar undefined], were prepared as inhibitors of proteases including cathepsin K for treatment of excessive bone loss, cartilage or matrix degradation including osteoporosis, gingivitis, periodontitis, arthritis, Paget's disease, hypercalcemia of malignancy, and metabolic bone disease (no data). Thus, 3-(4-chlorobutoxy)acetophenone (preparation given) in CH2Cl2 was treated with Br2 in CH2Cl2 over 5 min. followed by 15 min. stirring to give a residue which in EtOH was treated with iminothiobiuret followed by 24 h reflux to give 80% N-[4-[3-(4-chlorobutoxy)phenyl]thiazol-2-yl]guanidine. This was N-BOC protected and N-benzylated to give N-benzyl-N-tert-butoxycarbonyl-N'-[4-[3-(4-chlorobutoxy)phenyl]thiazol-2-yl]guanidine, which was heated 4 days with N-methylaniline and NaI in DMF at 135° to give 36% N-benzyl-N'-[4-[3-[4-(N-methyl-N-phenyl)aminobutoxy]phenyl]thiazol-2-yl]guanidine.

IT 221242-11-1P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of thiazolylguanidines as protease inhibitors)

RN 221242-11-1 CAPLUS

CN Guanidine, N-[(3,4-dichlorophenyl)methyl]-N'-[4-[3-[4-[(3,4-dichlorophenyl)methylamino]butoxy]phenyl]-2-thiazolyl]- (CA INDEX NAME)

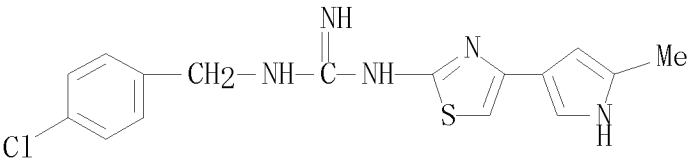


OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

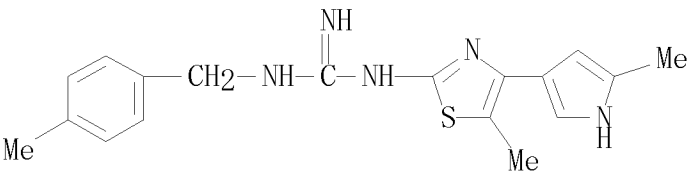
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 16 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1999:142811 CAPLUS
DOCUMENT NUMBER: 131:179
TITLE: Superpendentic Index: A novel topological descriptor for predicting biological activity
AUTHOR(S): Gupta, S.; Singh, M.; Madan, A. K.
CORPORATE SOURCE: Department of Pharmaceutical Sciences and Drug Research, Punjabi University, Patiala, 147 002, India
SOURCE: Journal of Chemical Information and Computer Sciences (1999), 39(2), 272-277
CODEN: JCISD8; ISSN: 0095-2338
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
ABSTRACT:
A simple highly degenerating, pendenticity based, topol. descriptor termed as superpendentic index has been conceptualized and its discriminating power investigated with regard to antiulcer activity. A data set consisting of 128 analogs of 4-substituted-2-guanidino thiazoles was selected for the present study. These analogs are reversible, competitive, and selective inhibitors of gastric H+,K+-ATPase enzyme. The value of superpendentic index of each analog in the data set was computed and active range was identified. The biol. activity assigned to each analog using superpendentic index was subsequently compared with the reported in vitro and in vivo inhibitory activities. The accuracy of classification of analogs based on in vivo activity was found to be 82% in the active range using superpendentic index.

IT 123309-54-6 123309-67-1
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(superpendentic index as novel topol. descriptor for predicting biol. activity)
RN 123309-54-6 CAPLUS
CN Guanidine, N-[(4-chlorophenyl)methyl]-N'-[4-(5-methyl-1H-pyrrol-3-yl)-2-thiazolyl]- (CA INDEX NAME)



RN 123309-67-1 CAPLUS
CN Guanidine, N-[5-methyl-4-(5-methyl-1H-pyrrol-3-yl)-2-thiazolyl]-N'-[(4-methylphenyl)methyl]- (CA INDEX NAME)

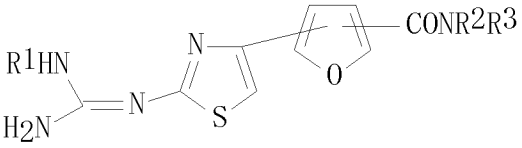


OS.CITING REF COUNT:	46	THERE ARE 46 CAPLUS RECORDS THAT CITE THIS RECORD (46 CITINGS)
REFERENCE COUNT:	28	THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 17 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1997:195723 CAPLUS
DOCUMENT NUMBER: 126:212142
ORIGINAL REFERENCE NO.: 126:41027a,41030a
TITLE: Preparation of furylthiazoles as ulcer inhibitors
INVENTOR(S): Katsura, Yosuke; Oono, Mitsuko; Nishino, Shigetaka; Fuji, Tetsuo
PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09040671	A	19970210	JP 1995-193751	19950728

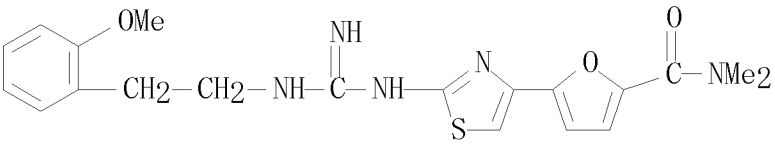
PRIORITY APPLN. INFO.: JP 1995-193751 19950728
OTHER SOURCE(S): MARPAT 126:212142
GRAPHIC IMAGE:



I

ABSTRACT:
The title compds. I [R1 = aryl, etc.; R2, R3 = alkyl] are prepared I are antibacteria agents and also are H2 antagonists. 4-[5-(N-Ethylcarbamoyl)furan-2-yl]-2-[(amino)[2-(2-methoxyphenethyl)amino]methyleneamino]thiazole in vitro showed MIC of 0.1 μg/mL against Helicobacter pylori.

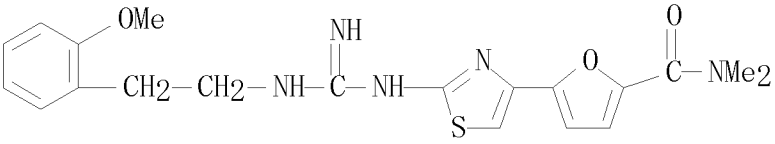
IT 187592-36-5P 187592-37-6P 187592-38-7P
187592-39-8P 187592-40-1P 187592-41-2P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of furylthiazoles as ulcer inhibitors)
RN 187592-36-5 CAPLUS
CN 2-Furancarboxamide, 5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-N,N-dimethyl- (CA INDEX NAME)



RN 187592-37-6 CAPLUS
CN 2-Furancarboxamide, 5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-N,N-dimethyl-, ethanedioate (1:1) (CA INDEX NAME)

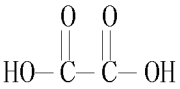
CM 1

CRN 187592-36-5
CMF C20 H23 N5 O3 S

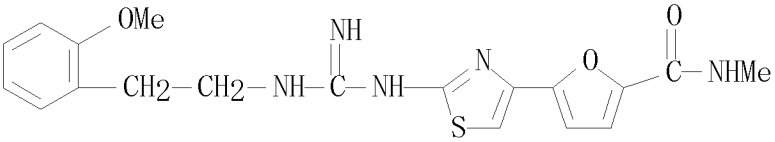


CM 2

CRN 144-62-7
CMF C2 H2 O4



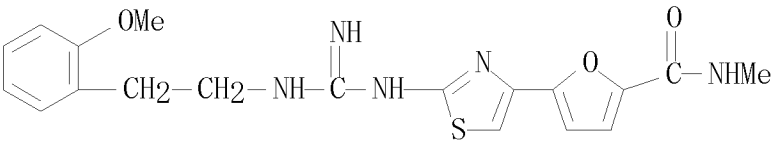
RN 187592-38-7 CAPLUS
CN 2-Furancarboxamide, 5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-N-methyl- (CA INDEX NAME)



RN 187592-39-8 CAPLUS
CN 2-Furancarboxamide, 5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-N-methyl-, ethanedioate (1:1) (CA INDEX NAME)

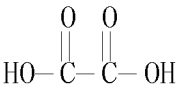
CM 1

CRN 187592-38-7
CMF C19 H21 N5 O3 S

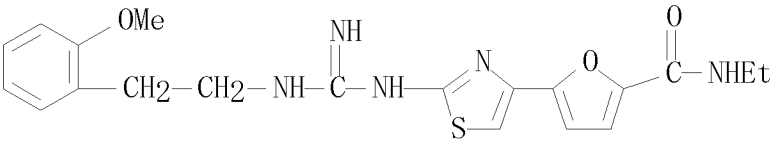


CM 2

CRN 144-62-7
CMF C2 H2 O4



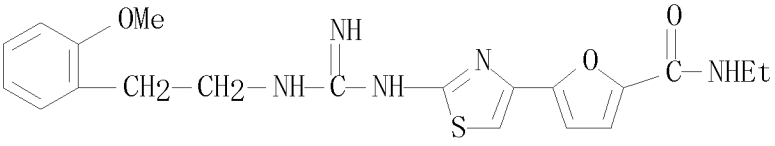
RN 187592-40-1 CAPLUS
CN 2-Furancarboxamide, N-ethyl-5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]- (CA INDEX NAME)



RN 187592-41-2 CAPLUS
CN 2-Furancarboxamide, N-ethyl-5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-, ethanedioate (1:1) (CA INDEX NAME)

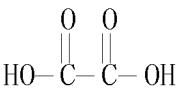
CM 1

CRN 187592-40-1
CMF C20 H23 N5 O3 S



CM 2

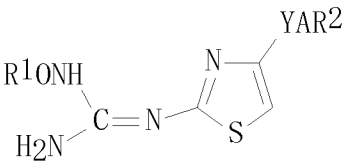
CRN 144-62-7
CMF C2 H2 O4



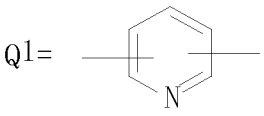
L7 ANSWER 18 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1997:195722 CAPLUS
DOCUMENT NUMBER: 126:212141
ORIGINAL REFERENCE NO.: 126:41027a,41030a
TITLE: Preparation of thiazole derivatives as ulcer inhibitors
INVENTOR(S): Katsura, Yosuke; Fuji, Tetsuo; Nishino, Shigetaka; Oono, Mitsuko
PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09040670	A	19970210	JP 1995-190694	19950726
PRIORITY APPLN. INFO.:			JP 1995-190694	19950726

OTHER SOURCE(S): MARPAT 126:212141
GRAPHIC IMAGE:

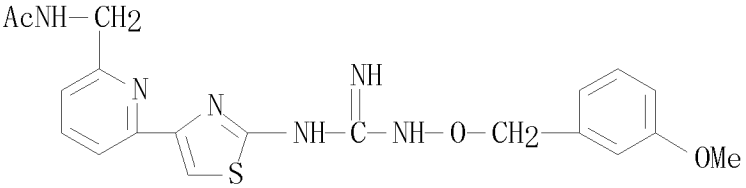


I



ABSTRACT:
The title compds. I [R1 = alkyl, etc.; R2 = amino, etc.; A = alkylene; Y = Q1, etc.] are prepared 4-(6-Acetylaminomethyl-2-pyridyl)-2-[(amino)(isopropoxyamino)methyleneamino]thiazole at 1 mg/kg i. v. gave 93% inhibition of histamine-induced gastric secretion in rats.

IT 187590-18-7P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of thiazole derivs. as ulcer inhibitors)
RN 187590-18-7 CAPLUS
CN Acetamide, N-[[6-[2-[[imino[[(3-methoxyphenyl)methoxy]amino]methyl]amino]-4-thiazolyl]-2-pyridinyl]methyl]- (CA INDEX NAME)



L7 ANSWER 19 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1997:140933 CAPLUS
DOCUMENT NUMBER: 126:157500
ORIGINAL REFERENCE NO.: 126:30459a,30462a
TITLE: Preparation of guanidinothiazole derivatives as histamine H2 antagonists
INVENTOR(S): Katsura, Yosuke; Oono, Mitsuko; Nishino, Shigetaka; Fuji, Tetsuo
PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 18 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08337579	A	19961224	JP 1995-147529	19950614
PRIORITY APPLN. INFO.:			JP 1995-147529	19950614

OTHER SOURCE(S): MARPAT 126:157500
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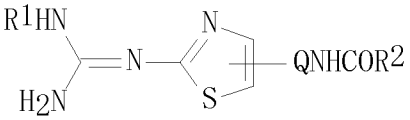
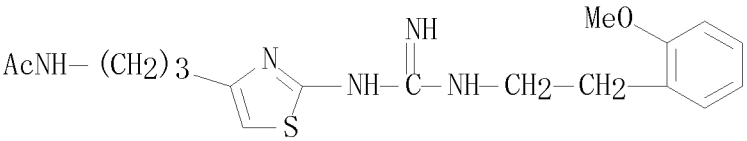


I

ABSTRACT:
The title compds. I [R1 = alkyl, etc.; R2 = alkyl, amino; Q = alkylene, etc.] are prepared 2-[(Amino)(butylamino)methyleneamino]-4-(3-acetylaminopropyl)thiazole oxalic acid salt at 1 mg/kg i. v. gave 100% inhibition of histamine-induced gastric acid secretion in rats.

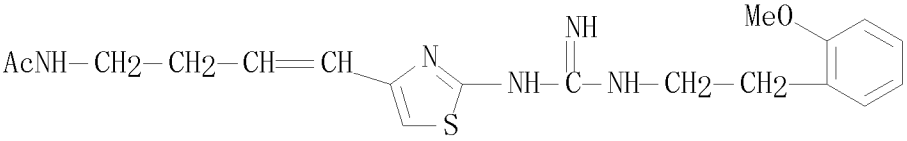
IT 186686-50-0P 186686-62-4P 186686-70-4P
186686-76-0P 186686-87-3P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of guanidinothiazole derivs. as histamine H2 antagonists)
RN 186686-50-0 CAPLUS
CN Acetamide, N-[3-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]propyl]- (CA INDEX NAME)



RN 186686-62-4 CAPLUS
CN Acetamide, N-[4-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-3-buten-1-yl]-, ethanedioate (1:1) (CA INDEX NAME)

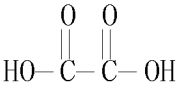
CM 1

CRN 186686-61-3
CMF C19 H25 N5 O2 S



CM 2

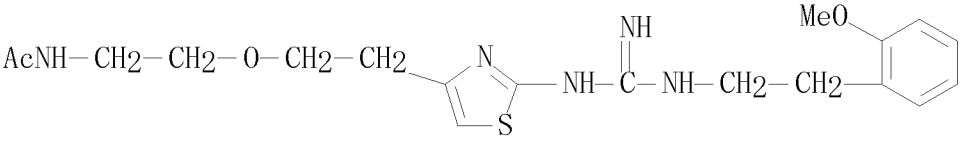
CRN 144-62-7
CMF C2 H2 O4



RN 186686-70-4 CAPLUS
CN Acetamide, N-[2-[2-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]ethoxy]ethyl]-, ethanedioate (1:1) (CA INDEX NAME)

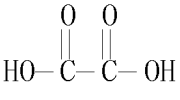
CM 1

CRN 186686-69-1
CMF C19 H27 N5 O3 S



CM 2

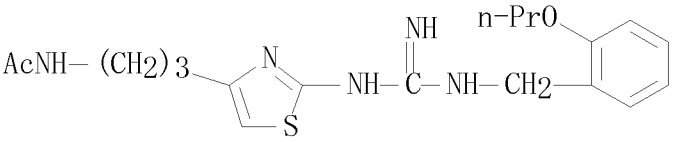
CRN 144-62-7
CMF C2 H2 O4



RN 186686-76-0 CAPLUS
CN Acetamide, N-[3-[2-[[imino[[(2-propoxyphenyl)methyl]amino]methyl]amino]-4-thiazolyl]propyl]-, ethanedioate (1:1) (CA INDEX NAME)

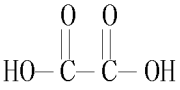
CM 1

CRN 186686-75-9
CMF C19 H27 N5 O2 S



CM 2

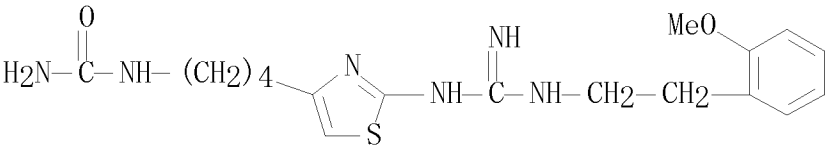
CRN 144-62-7
CMF C2 H2 O4



RN 186686-87-3 CAPLUS
CN Urea, N-[4-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]butyl]-, ethanedioate (1:1) (CA INDEX NAME)

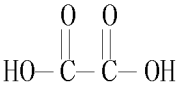
CM 1

CRN 186686-86-2
CMF C18 H26 N6 O2 S



CM 2

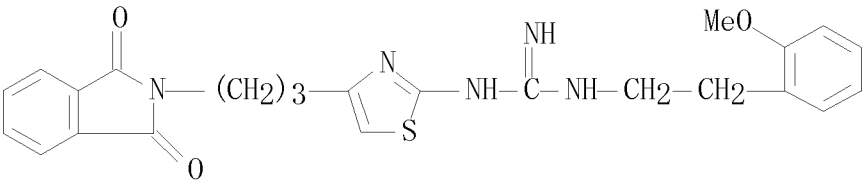
CRN 144-62-7
CMF C2 H2 O4



IT 186686-90-8P 186686-96-4P 186686-99-7P
186687-00-3P 186687-01-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT

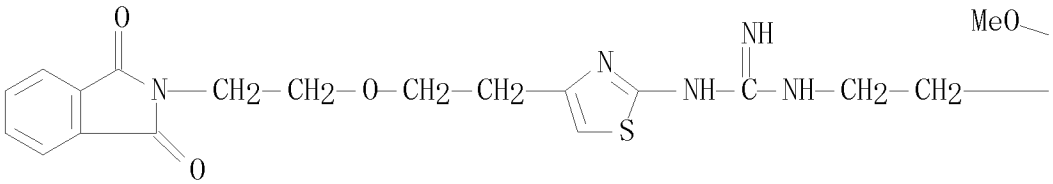
(Reactant or reagent)
(preparation of guanidinothiazole derivs. as histamine H2 antagonists)

RN 186686-90-8 CAPLUS
CN Guanidine, N-[4-[3-(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)propyl]-2-thiazolyl]-N'-[2-(2-methoxyphenyl)ethyl]- (CA INDEX NAME)

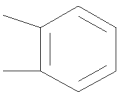


RN 186686-96-4 CAPLUS
CN Guanidine, N-[4-[2-[2-(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)ethoxy]ethyl]-2-thiazolyl]-N'-[2-(2-methoxyphenyl)ethyl]- (CA INDEX NAME)

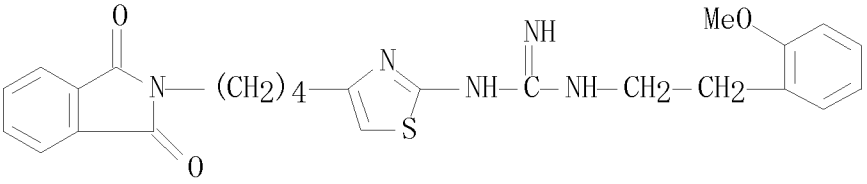
PAGE 1-A



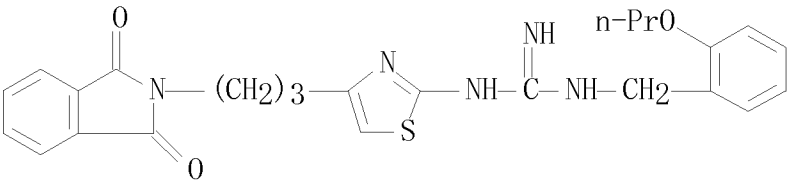
PAGE 1-B



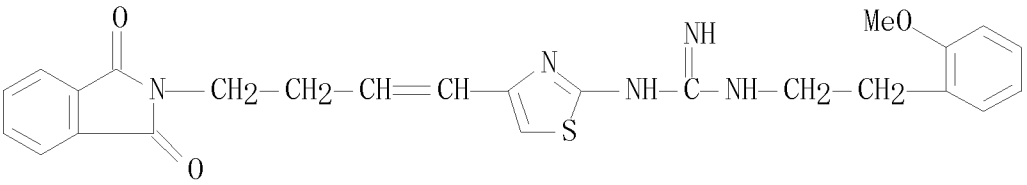
RN 186686-99-7 CAPLUS
CN Guanidine, N-[4-[4-(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)butyl]-2-thiazolyl]-N'-[2-(2-methoxyphenyl)ethyl]- (CA INDEX NAME)



RN 186687-00-3 CAPLUS
CN Guanidine, N-[4-[3-(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)propyl]-2-thiazolyl]-N'-[(2-propoxyphenyl)methyl]- (CA INDEX NAME)

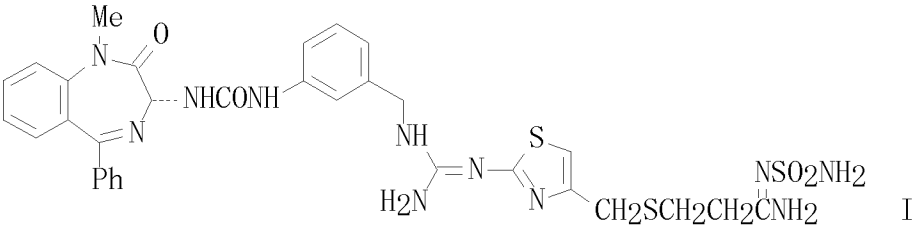


RN 186687-01-4 CAPLUS
CN Guanidine, N-[4-[4-(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)-1-buten-1-yl]-2-thiazolyl]-N'-[2-(2-methoxyphenyl)ethyl]- (CA INDEX NAME)



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L7 ANSWER 20 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1997:81087 CAPLUS
DOCUMENT NUMBER: 126:199545
ORIGINAL REFERENCE NO.: 126:38578h,38579a
TITLE: Synthesis and biological evaluation of a new reversely linked type of dual histamine H2 and gastrin receptor antagonist
AUTHOR(S): Kawanishi, Yasuyuki; Ishihara, Shoichi; Takahashi, Kimio; Tsushima, Tadahiko; Hagishita, Sanji; Ishikawa, Michio; Ishihara, Yasunobu
CORPORATE SOURCE: Discovery Res. Lab. II, Shionogi & Co., Ltd., Osaka, 553, Japan
SOURCE: Chemical & Pharmaceutical Bulletin (1997), 45(1), 116-124
CODEN: CPBTAL; ISSN: 0009-2363
PUBLISHER: Pharmaceutical Society of Japan
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 126:199545
GRAPHIC IMAGE:



I

ABSTRACT:
In an attempt to improve the low oral absorbability of previously reported dual histamine H2 and gastrin receptor antagonists, compds. of a different type were synthesized nd evaluated for biol. activity. These new compds. bear a histamine H2 receptor antagonist (H2A) pharmacophore moiety attached to a gastrin receptor antagonist (GA) pharmacophore moiety in a reverse manner, namely the head-to-head manner, different from the previously reported head-to-tail manner. These new hybrid compds. were classified into three types: type I, the regular amide type bearing a roxatidine moiety; type II, the reversed amide type bearing a roxatidine moiety; and type III, hybrid compds. bearing a famotidine moiety connected to a GA moiety without a spacer. Among them, only (R)-1-[3-(N'-[4-[2-(N-aminosulfonylamidino)ethylthiomethyl]thiazol-2-yl]guanidinomethyl)phenyl]-3-(1-methyl-2-oxo-5-phenyl-2,3-dihydro-1H-1,4-benzodiazepin-3-yl)urea (I) belonging to type III, showed a weak but distinct histamine H2 receptor-antagonistic activity as well as a modest gastrin receptor-antagonistic activity. Of most importance was the finding that I showed a weak but clearly improved in vivo oral antigastric acid secretory activity as a result of the structural changes, including the decreased mol. weight

IT 187817-00-1P 187817-01-2P 187817-02-3P
187817-03-4P 187817-04-5P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

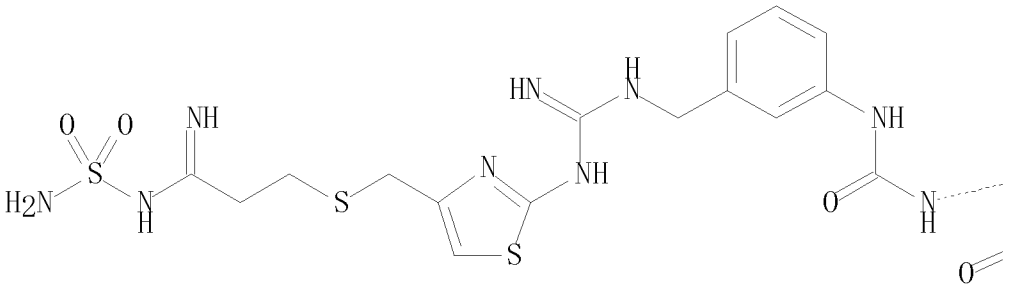
(preparation and pharmacol. activity of reversely linked histamine H2 and gastrin receptor antagonists)

RN 187817-00-1 CAPLUS

CN Propanimidamide, N-(aminosulfonyl)-3-[[[2-[[[[[3-[[[[(3R)-2,3-dihydro-1-methyl-2-oxo-5-phenyl-1H-1,4-benzodiazepin-3-yl]amino]carbonyl]amino]phenyl]methyl]amino]iminomethyl]amino]-4-thiazolyl]methyl]thio]- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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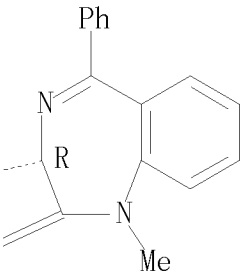
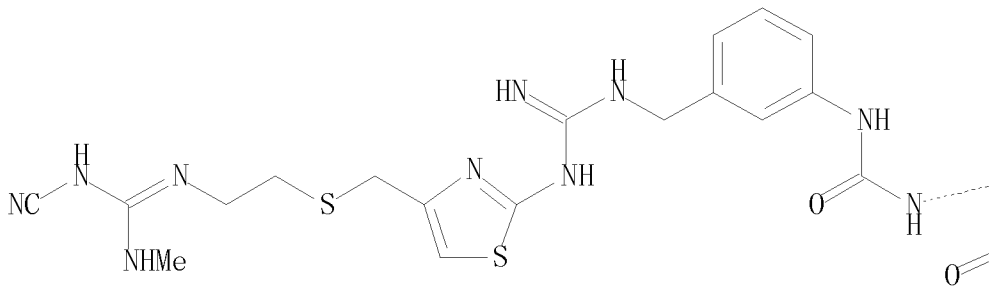


RN 187817-01-2 CAPLUS

CN Urea, N-[3-[[[[[4-[[[2-[[(cyanoamino)(methylimino)methyl]amino]ethyl]thio]methyl]-2-thiazolyl]amino]iminomethyl]amino]methyl]phenyl]-N'-[(3R)-2,3-dihydro-1-methyl-2-oxo-5-phenyl-1H-1,4-benzodiazepin-3-yl]- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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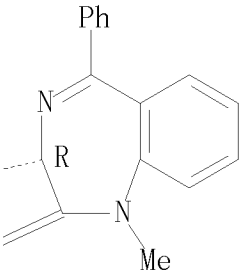
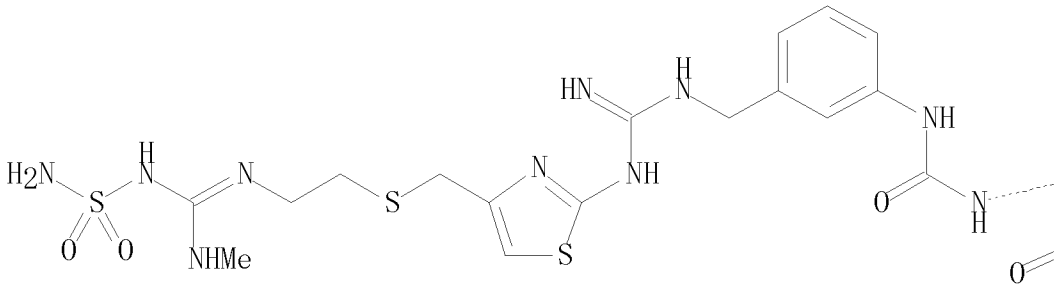


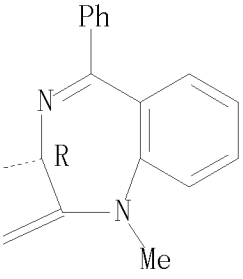
RN 187817-02-3 CAPLUS
CN Urea, N-[3-[[[[[4-[[[2-[[[(aminosulfonyl)amino](methylimino)methyl]amino]ethyl]thio]methyl]-2-thiazolyl]amino]iminomethyl]amino]methyl]phenyl]-N'-[(3R)-2,3-dihydro-1-methyl-2-oxo-5-phenyl-1H-1,4-benzodiazepin-3-yl]- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

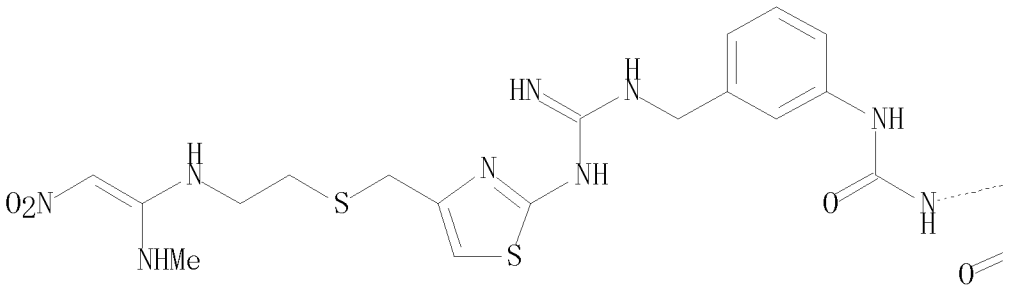


RN 187817-03-4 CAPLUS
CN Urea, N-[(3R)-2,3-dihydro-1-methyl-2-oxo-5-phenyl-1H-1,4-benzodiazepin-3-yl]-N'-[3-[[[imino[[4-[[[2-[[1-(methylamino)-2-nitroethenyl]amino]ethyl]thio]methyl]-2-thiazolyl]amino]methyl]amino]methyl]phenyl]- (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry unknown.

PAGE 1-A



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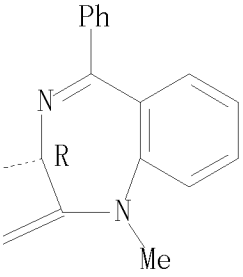
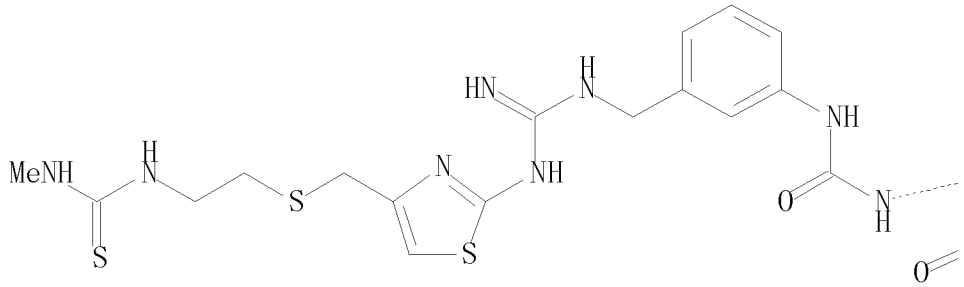


RN 187817-04-5 CAPLUS
CN Urea, N-[(3R)-2,3-dihydro-1-methyl-2-oxo-5-phenyl-1H-1,4-benzodiazepin-3-yl]-N'-[3-[[[imino[[4-[[[2-[[(methylamino)thioxomethyl]amino]ethyl]thio]methyl]-2-thiazolyl]amino]methyl]amino]methyl]phenyl]- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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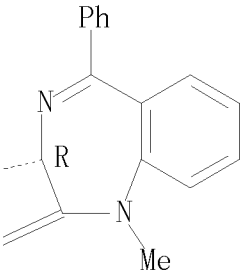
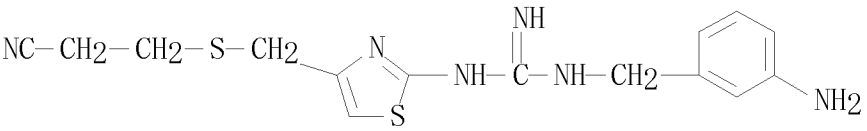
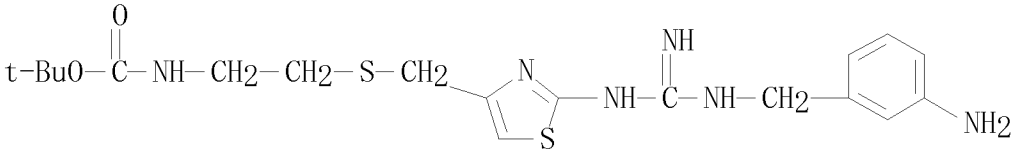


IT 187816-96-2P 187816-97-3P 187816-98-4P
187816-99-5P 187817-05-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and pharmacol. activity of reversely linked histamine H2 and gastrin receptor antagonists)

RN 187816-96-2 CAPLUS
CN Guanidine, N-[(3-aminophenyl)methyl]-N'-[4-[[(2-cyanoethyl)thio]methyl]-2-thiazolyl]- (CA INDEX NAME)



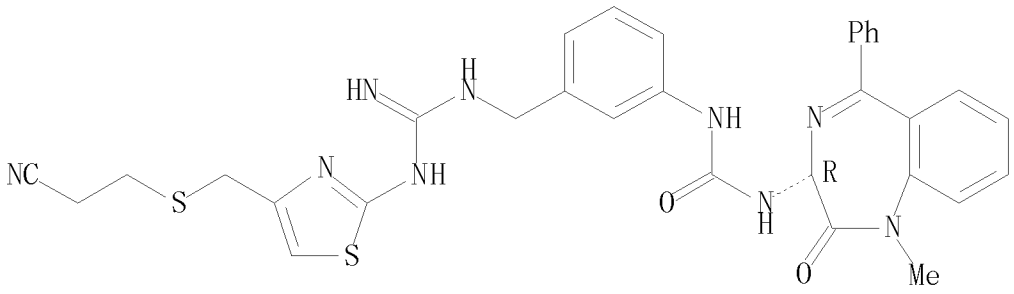
RN 187816-97-3 CAPLUS
CN Carbamic acid, [2-[[[2-[[[[(3-aminophenyl)methyl]amino]iminomethyl]amino]-4-thiazolyl]methyl]thio]ethyl]-, 1,1-dimethylethyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 187816-98-4 CAPLUS
CN Urea, N-[3-[[[[[4-[[(2-cyanoethyl)thio]methyl]-2-thiazolyl]amino]iminomethyl]amino]methyl]phenyl]-N'-[(3R)-2,3-dihydro-1-methyl-2-oxo-5-phenyl-1H-1,4-benzodiazepin-3-yl]- (CA INDEX NAME)

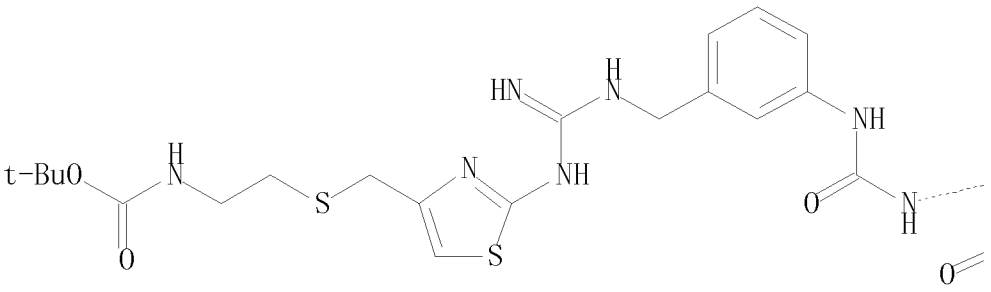
Absolute stereochemistry.



RN 187816-99-5 CAPLUS
CN Carbamic acid, [2-[[[2-[[[[[3-[[[(2,3-dihydro-1-methyl-2-oxo-5-phenyl-1H-1,4-benzodiazepin-3-yl)amino]carbonyl]amino]phenyl]methyl]amino]iminomethyl]amino]-4-thiazolyl]methyl]thio]ethyl]-, 1,1-dimethylethyl ester, (R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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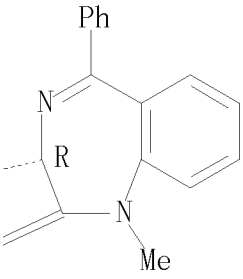
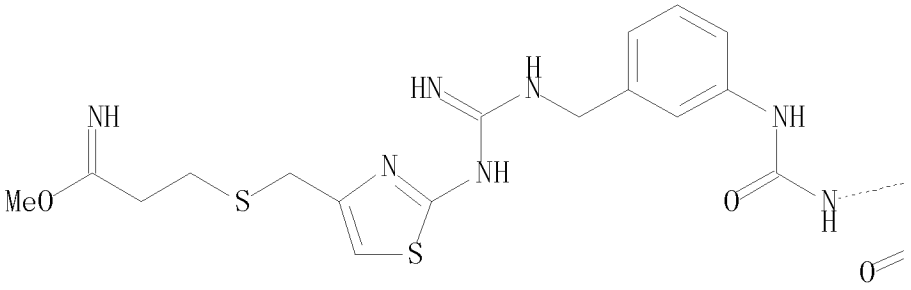


RN 187817-05-6 CAPLUS
CN Propanimidic acid, 3-[[[2-[[[[[3-[[[[(3R)-2,3-dihydro-1-methyl-2-oxo-5-phenyl-1H-1,4-benzodiazepin-3-yl]amino]carbonyl]amino]phenyl]methyl]amino]iminomethyl]amino]-4-thiazolyl]methyl]thio]-, methyl ester (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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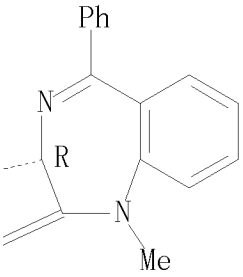

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REFERENCE COUNT:	20	THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 21 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1997:42 CAPLUS
DOCUMENT NUMBER: 126:47211
ORIGINAL REFERENCE NO.: 126:9313a
TITLE: Preparation of 4-thienylthiazole derivatives as antiulcer and antibacterial agents
PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08245621	A	19960924	JP 1996-35931	19960223
PRIORITY APPLN. INFO.:			GB 1995-4689 A	19950308
OTHER SOURCE(S):	MARPAT 126:47211			

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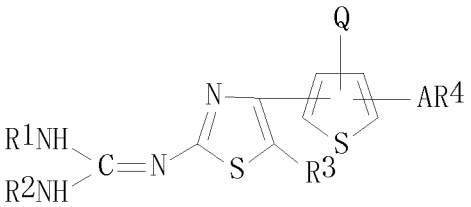
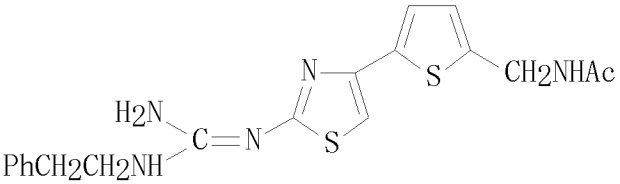


I



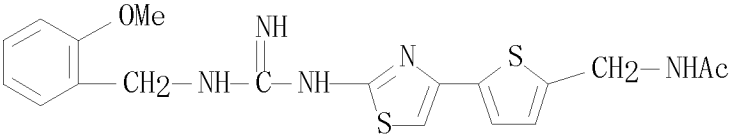
II

ABSTRACT:
The title compds. [I; R1 = (halo or alkoxy)aryl, cycloalkyl, alkenyl, (un)substituted aralkyl, R2, R3, Q = H, alkyl; R4 = acyl, acylamino; A = single bond, alkylene], which show excellent antibacterial activity against Helicobacter pylori, are prepared Thus, a suspension of 5-acetamidomethyl-2-chloroacetylthiophene 1.5, N-(2-phenylethyl)amidinothiourea, and NaHCO3 in ethanol was heated at 55° for 3.5 h to give 1.30 g the title compound [(diaminomethylene)amino]thienylthiazole derivative (II). II showed min. inhibitory concentration of <0.1 μg/mL against H. pylori.

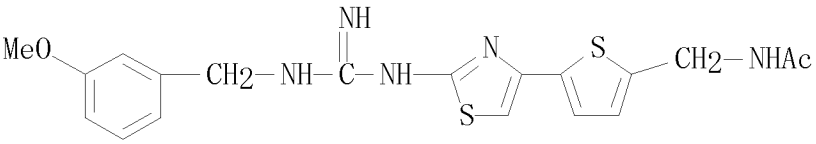
IT 184581-58-6P 184581-59-7P 184581-60-0P
184581-61-1P 184581-62-2P 184581-63-3P
184581-64-4P 184581-66-6P 184581-68-8P
184581-70-2P 184581-72-4P 184581-76-8P
184581-80-4P 184581-81-5P 184581-82-6P
184581-83-7P 184581-84-8P 184581-85-9P

184581-91-7P 184581-96-2P 184581-99-5P
184582-00-1P 184582-03-4P 184582-04-5P
184582-07-8P 184582-08-9P 184582-09-0P
184582-10-3P 184582-11-4P 184582-12-5P
184582-13-6P 184582-14-7P 184582-15-8P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of thienylthiazole derivs. as antiulcer and antibacterial agents)

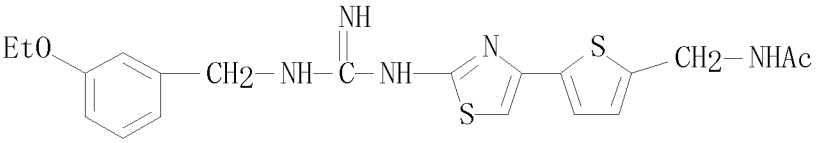
RN 184581-58-6 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[(2-methoxyphenyl)methyl]amino]methyl]amino]-4-thiazolyl]-2-thienyl]methyl]- (CA INDEX NAME)



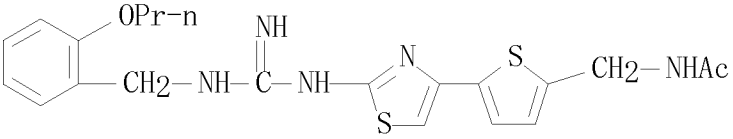
RN 184581-59-7 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[(3-methoxyphenyl)methyl]amino]methyl]amino]-4-thiazolyl]-2-thienyl]methyl]- (CA INDEX NAME)



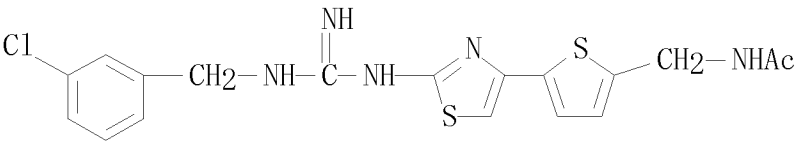
RN 184581-60-0 CAPLUS
CN Acetamide, N-[[5-[2-[[[[(3-ethoxyphenyl)methyl]amino]iminomethyl]amino]-4-thiazolyl]-2-thienyl]methyl]- (CA INDEX NAME)



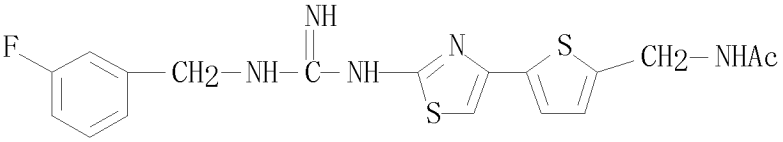
RN 184581-61-1 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[(2-propoxyphenyl)methyl]amino]methyl]amino]-4-thiazolyl]-2-thienyl]methyl]- (CA INDEX NAME)



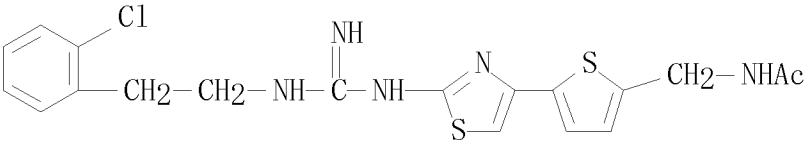
RN 184581-62-2 CAPLUS
CN Acetamide, N-[[5-[2-[[[[(3-chlorophenyl)methyl]amino]iminomethyl]amino]-4-thiazolyl]-2-thienyl]methyl]- (CA INDEX NAME)



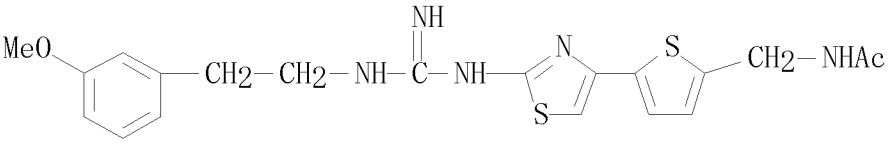
RN 184581-63-3 CAPLUS
CN Acetamide, N-[[5-[2-[[[[(3-fluorophenyl)methyl]amino]iminomethyl]amino]-4-thiazolyl]-2-thienyl]methyl]- (CA INDEX NAME)



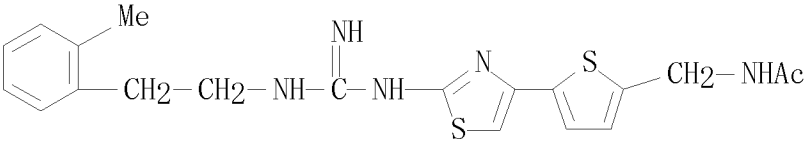
RN 184581-64-4 CAPLUS
CN Acetamide, N-[[5-[2-[[[[2-(2-chlorophenyl)ethyl]amino]iminomethyl]amino]-4-thiazolyl]-2-thienyl]methyl]- (CA INDEX NAME)



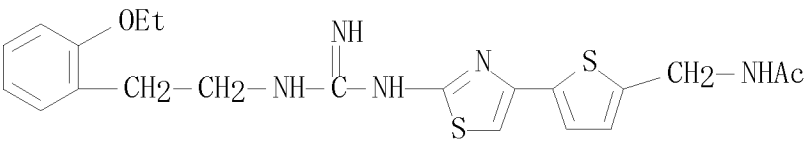
RN 184581-66-6 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-(3-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-thienyl]methyl]- (CA INDEX NAME)



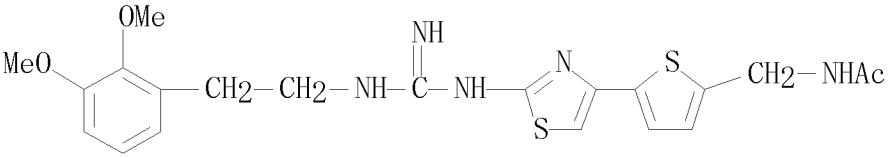
RN 184581-68-8 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-(2-methylphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-thienyl]methyl]- (CA INDEX NAME)



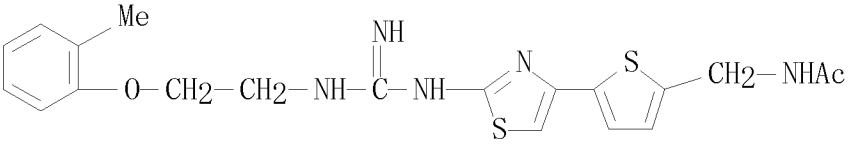
RN 184581-70-2 CAPLUS
CN Acetamide, N-[[5-[2-[[[[2-(2-ethoxyphenyl)ethyl]amino]iminomethyl]amino]-4-thiazolyl]-2-thienyl]methyl]- (CA INDEX NAME)



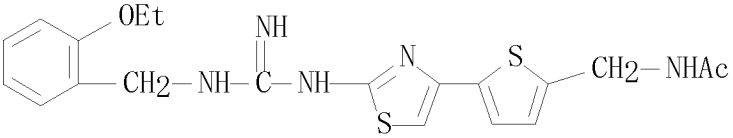
RN 184581-72-4 CAPLUS
CN Acetamide, N-[[5-[2-[[[[2-(2,3-dimethoxyphenyl)ethyl]amino]iminomethyl]amino]-4-thiazolyl]-2-thienyl]methyl]- (CA INDEX NAME)



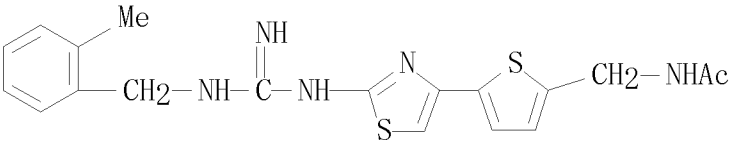
RN 184581-76-8 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-(2-methylphenoxy)ethyl]amino]methyl]amino]-4-thiazolyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 184581-80-4 CAPLUS
CN Acetamide, N-[[5-[2-[[[[(2-ethoxyphenyl)methyl]amino]iminomethyl]amino]-4-thiazolyl]-2-thienyl]methyl]- (CA INDEX NAME)

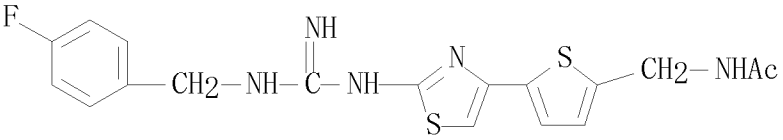


RN 184581-81-5 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[(2-methylphenyl)methyl]amino]methyl]amino]-4-thiazolyl]-2-thienyl]methyl]- (CA INDEX NAME)

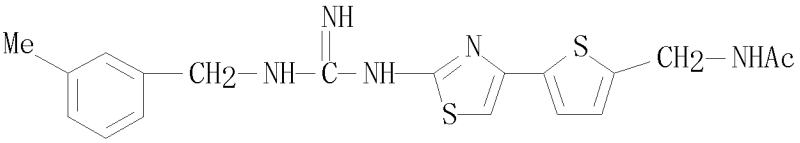


RN 184581-82-6 CAPLUS

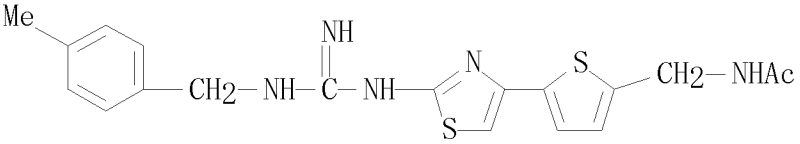
CN Acetamide, N-[[5-[2-[[[[(4-fluorophenyl)methyl]amino]iminomethyl]amino]-4-thiazolyl]-2-thienyl]methyl]- (CA INDEX NAME)



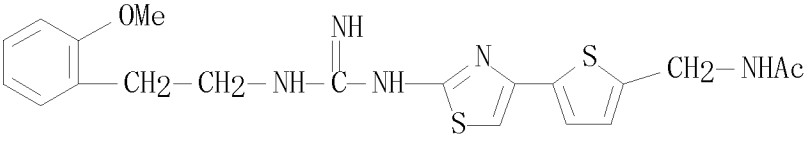
RN 184581-83-7 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[(3-methylphenyl)methyl]amino]methyl]amino]-4-thiazolyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 184581-84-8 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[(4-methylphenyl)methyl]amino]methyl]amino]-4-thiazolyl]-2-thienyl]methyl]- (CA INDEX NAME)



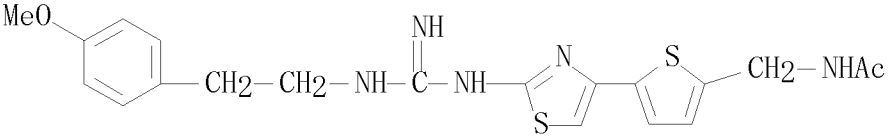
RN 184581-85-9 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 184581-91-7 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-(4-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-thienyl]methyl]-, ethanedioate (1:1) (CA INDEX NAME)

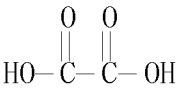
CM 1

CRN 184581-90-6
CMF C20 H23 N5 O2 S2

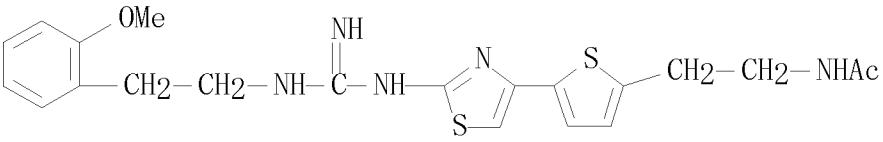


CM 2

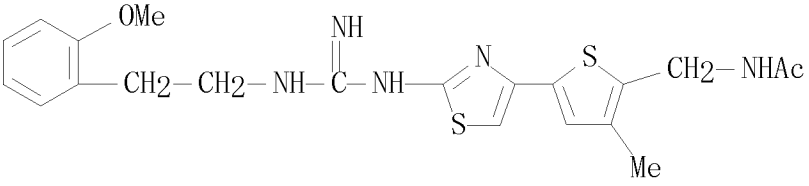
CRN 144-62-7
CMF C2 H2 O4



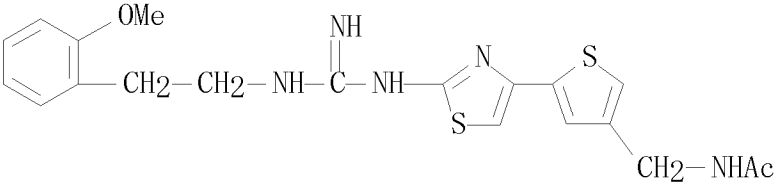
RN 184581-96-2 CAPLUS
CN Acetamide, N-[2-[5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-thienyl]ethyl]- (CA INDEX NAME)



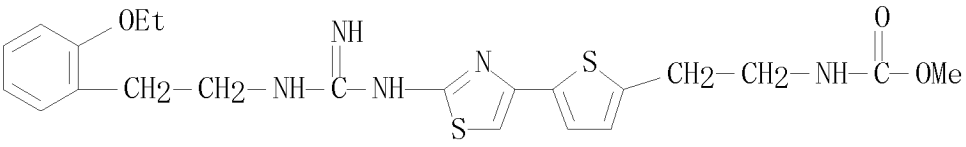
RN 184581-99-5 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-3-methyl-2-thienyl]methyl]- (CA INDEX NAME)



RN 184582-00-1 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-3-thienyl]methyl]- (CA INDEX NAME)

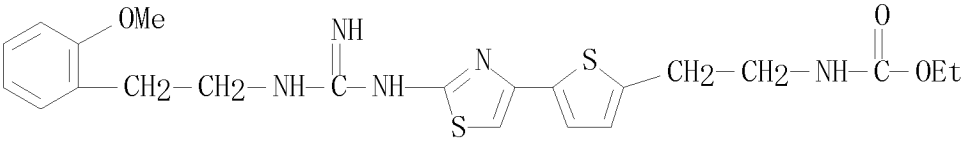


RN 184582-03-4 CAPLUS
CN Carbamic acid, [2-[5-[2-[[[[2-(2-ethoxyphenyl)ethyl]amino]iminomethyl]amino]-4-thiazolyl]-2-thienyl]ethyl]-, methyl ester, monohydrochloride (9CI) (CA INDEX NAME)



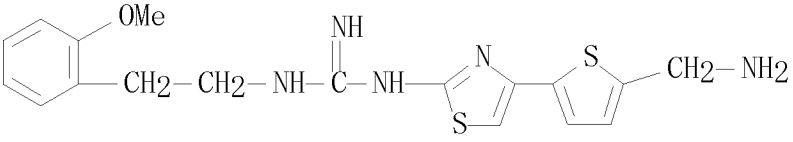
● HCl

RN 184582-04-5 CAPLUS
CN Carbamic acid, [2-[5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-thienyl]ethyl]-, ethyl ester, monohydrochloride (9CI) (CA INDEX NAME)



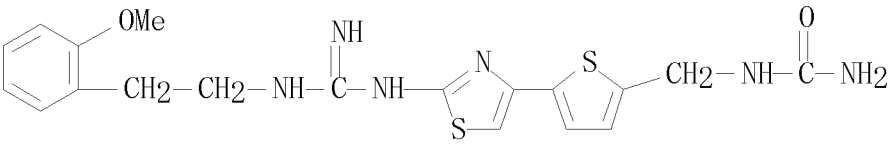
● HCl

RN 184582-07-8 CAPLUS
CN Guanidine, N-[4-[5-(aminomethyl)-2-thienyl]-2-thiazolyl]-N'-[2-(2-methoxyphenyl)ethyl]-, hydrochloride (1:1) (CA INDEX NAME)



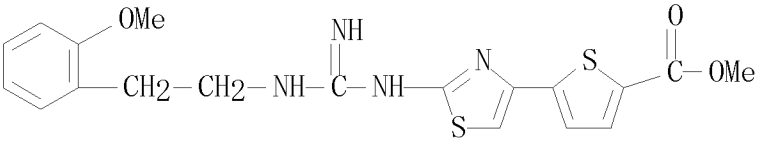
● HCl

RN 184582-08-9 CAPLUS
CN Urea, N-[[5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-thienyl]methyl]-, hydrochloride (1:1) (CA INDEX NAME)

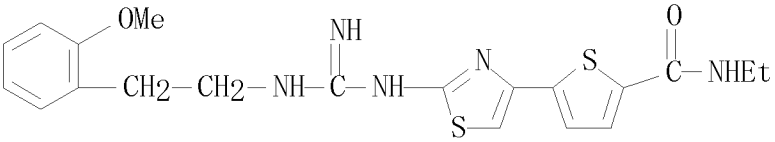


● HCl

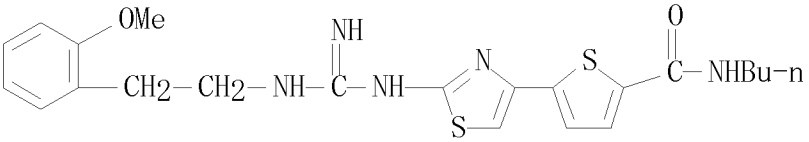
RN 184582-09-0 CAPLUS
CN 2-Thiophenecarboxylic acid, 5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-, methyl ester (CA INDEX NAME)



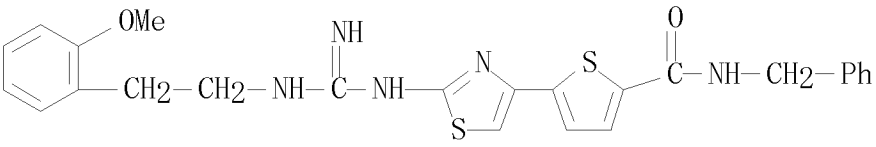
RN 184582-10-3 CAPLUS
CN 2-Thiophenecarboxamide, N-ethyl-5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]- (CA INDEX NAME)



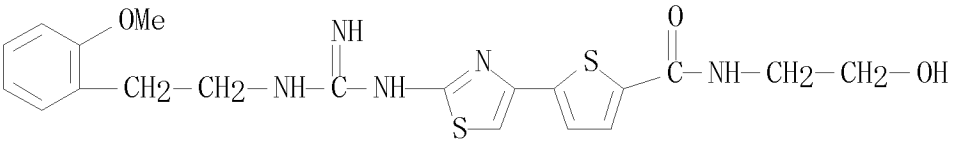
RN 184582-11-4 CAPLUS
CN 2-Thiophenecarboxamide, N-butyl-5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]- (CA INDEX NAME)



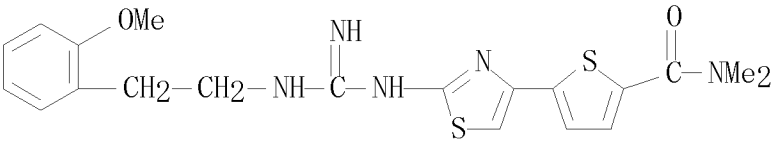
RN 184582-12-5 CAPLUS
CN 2-Thiophenecarboxamide, 5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-N-(phenylmethyl)- (CA INDEX NAME)



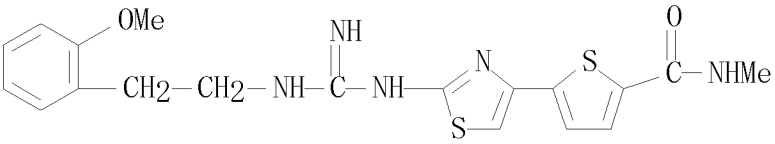
RN 184582-13-6 CAPLUS
CN 2-Thiophenecarboxamide, N-(2-hydroxyethyl)-5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]- (CA INDEX NAME)



RN 184582-14-7 CAPLUS
CN 2-Thiophenecarboxamide, 5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-N,N-dimethyl- (CA INDEX NAME)



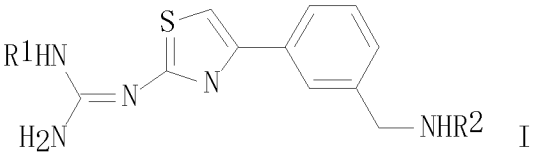
RN 184582-15-8 CAPLUS
CN 2-Thiophenecarboxamide, 5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-N-methyl- (CA INDEX NAME)



L7 ANSWER 22 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1996:385930 CAPLUS
DOCUMENT NUMBER: 125:58498
ORIGINAL REFERENCE NO.: 125:11249a,11252a
TITLE: Preparation of 4-(3-aminomethylphenyl)-2-thiazolylguanidines as H2-receptor antagonists
INVENTOR(S): Katsura, Yousuke; Tomishi, Tetsuo; Nishino, Shigetaka; Ohno, Mitsuko
PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Japan
SOURCE: PCT Int. Appl., 34 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9605187	A1	19960222	WO 1995-JP1596	19950809
W: AU, BR, CA, CN, FI, HU, JP, KR, MX, NO, NZ, RU, UA, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9531929	A	19960307	AU 1995-31929	19950809
JP 2000504305	T	20000411	JP 1995-507193	19950809
PRIORITY APPLN. INFO.:			GB 1994-16459 A	19940815
			WO 1995-JP1596 W	19950809

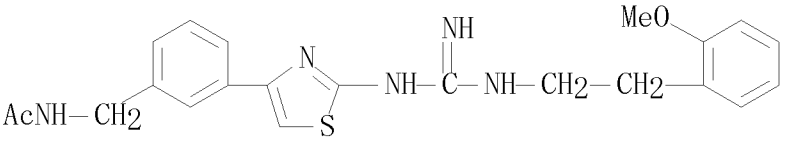
OTHER SOURCE(S): MARPAT 125:58498
GRAPHIC IMAGE:



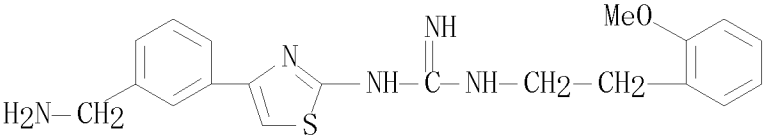
I

ABSTRACT:
Title compds. [I; R1 = alkoxy(alkyl), cyanoalkyl, phenyl(oxy)(alkyl), etc.; R2 = H, alkanoyl, CONH2] were prepared Thus, I [R1 = 2-(1-cyclohexenyl)ethyl, R2 = Ac] gave 100% inhibition of histamine-induced increase of guinea pig atrial strip contraction at 10-6g/mL in vitro.

IT 178105-05-0P 178105-21-0P 178105-22-1P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 4-(3-aminomethylphenyl)-2-thiazolylguanidines as H2-receptor antagonists)
RN 178105-05-0 CAPLUS
CN Acetamide, N-[[3-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]phenyl]methyl]- (CA INDEX NAME)

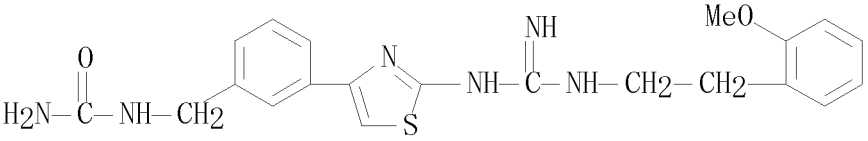


RN 178105-21-0 CAPLUS
CN Guanidine, N-[4-[3-(aminomethyl)phenyl]-2-thiazolyl]-N'-[2-(2-methoxyphenyl)ethyl]-, hydrochloride (1:2) (CA INDEX NAME)



●2 HCl

RN 178105-22-1 CAPLUS
CN Urea, N-[[3-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]phenyl]methyl]- (CA INDEX NAME)



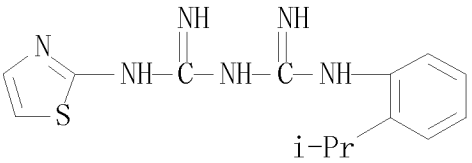
OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 23 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1995:890470 CAPLUS
DOCUMENT NUMBER: 124:86605
ORIGINAL REFERENCE NO.: 124:16275a,16278a
TITLE: Preparation of biguanides with high purity
INVENTOR(S): Taniguchi, Hideki; Nakamura, Akihiro; Nishihara, Akira
PATENT ASSIGNEE(S): Mitsubishi Materials Corp, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07206802	A	19950808	JP 1994-4993	19940121

PRIORITY APPLN. INFO.: JP 1994-4993 19940121
OTHER SOURCE(S): CASREACT 124:86605
ABSTRACT:
Biguanides, useful for microbicides, insecticides, disinfectants, etc., are prepared by fusion reactions of amines with dicyandiamides or bis(dicyandiamides) under atmospheric of inert gases at ≥m.p. of the amines and/or the dicyandiamides. Equimolar amts. of 2,5-diethoxyaniline and 4-chloro-1-dicyandiaminobenzene were treated under Ar at 150° for 6 h to give a biguanide with yield 70.2%.

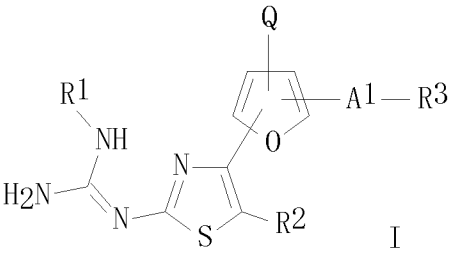
IT 172500-29-7P
RL: AGR (Agricultural use); BUU (Biological use, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of biguanides with high yield by fusion reactions of amines with dicyandiamides under inert gases)
RN 172500-29-7 CAPLUS
CN Imidodicarbonimidic diamide, N-[2-(1-methylethyl)phenyl]-N'-2-thiazolyl- (CA INDEX NAME)



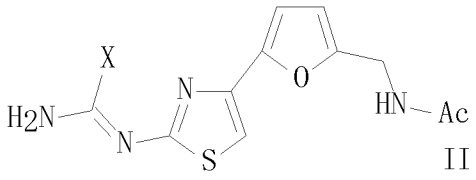
L7 ANSWER 24 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1995:856070 CAPLUS
DOCUMENT NUMBER: 123:256700
ORIGINAL REFERENCE NO.: 123:45915a,45918a
TITLE: Furylthiazoles and their use as H2-receptor antagonists and antimicrobials
INVENTOR(S): Katsura, Yousuke; Ohno, Mitsuko; Nishino, Shigetaka; Tomishi, Tetsuo; Takasugi, Hisashi
PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Japan
SOURCE: PCT Int. Appl., 111 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9518126	A1	19950706	WO 1994-JP2278	19941228
W: AU, CA, CN, HU, JP, KR, RU, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9512831	A	19950717	AU 1995-12831	19941228
JP 09507222	T	19970722	JP 1994-517925	19941228
PRIORITY APPLN. INFO.:			GB 1993-26611 A	19931231
			WO 1994-JP2278 W	19941228

OTHER SOURCE(S): CASREACT 123:256700; MARPAT 123:256700
GRAPHIC IMAGE:



I



II

ABSTRACT:
The invention relates to furylthiazole derivs. I [R1 = pentyl, branched alkyl or alkenyl, certain alkoxyalkyl, aryl, aryloxy, etc.; R2 = H, alkyl; R3 = amino, acylamino; A1 = alkylene; Q = H, alkyl] and pharmaceutically acceptable salts, which have antiulcer, H2-receptor antagonizing, and antimicrobial activity. Also disclosed are processes for their preparation, pharmaceutical compns. comprising them, and their use in treatment of ulcers and infections. For example, condensation of the isothiourea derivative II.HI (X = MeS) with R1NH2 [R1 = cyclohexylmethyl (Q)] in refluxing EtOH gave title compound II (X = QNH). The latter had an MIC of < 0.2 μg/mL against Helicobacter pylori 8008 in vitro, and the compound II (X = PhCH2CH2CH2NH) gave 77.9% inhibition of ulcers at 32 mg/kg orally in mice in the HCl-aspirin ulcer test. Approx. 150 compds. I and salts are listed with characterizing phys. and spectral data.

IT 168969-96-8P 168969-97-9P 168969-98-0P
168969-99-1P 168970-00-1P 168970-01-2P
168970-03-4P 168970-05-6P 168970-27-2P

168970-29-4P 168970-30-7P 168970-32-9P
168970-34-1P 168970-35-2P 168970-37-4P
168970-38-5P 168970-39-6P 168970-40-9P
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168970-80-7P 168970-81-8P 168970-89-6P
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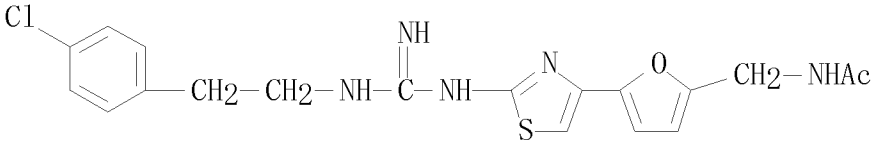
168970-98-7P 168970-99-8P 168971-00-4P
168971-01-5P 168971-10-6P 168971-17-3P
168971-18-4P 168971-32-2P 168971-39-9P
168971-40-2P 168971-45-7P 168971-46-8P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of furylthiazoles as antiulcer agents, H2-receptor antagonists, and antimicrobials)

RN 168969-96-8 CAPLUS
CN Acetamide, N-[[5-[2-[[[[2-(4-chlorophenyl)ethyl]amino]iminomethyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



RN 168969-97-9 CAPLUS
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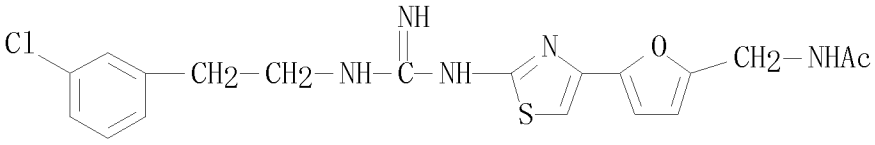
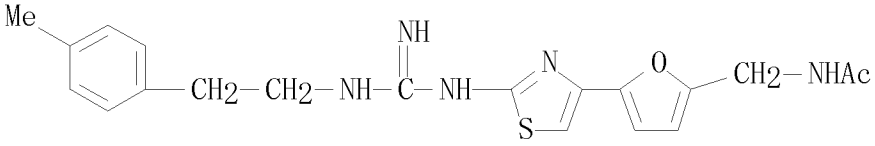
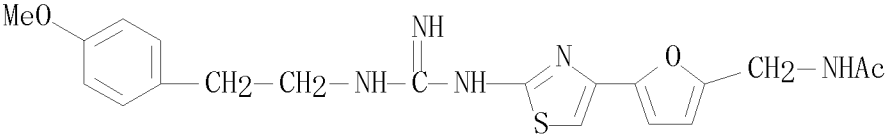


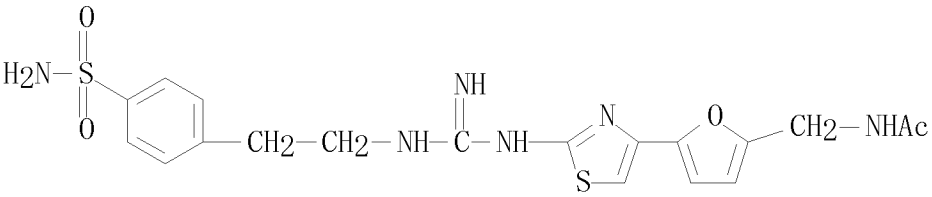
RN 168969-98-0 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-(4-methylphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



RN 168969-99-1 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-(4-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



RN 168970-00-1 CAPLUS
CN Acetamide, N-[[5-[2-[[[[2-[4-(aminosulfonyl)phenyl]ethyl]amino]iminomethyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



RN 168970-01-2 CAPLUS
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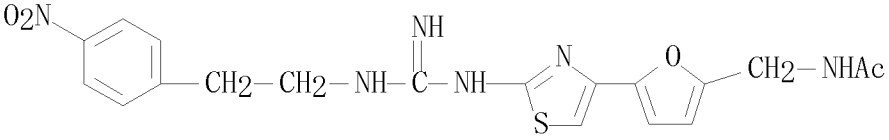
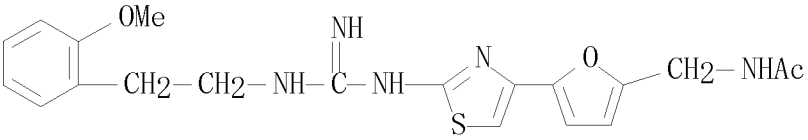
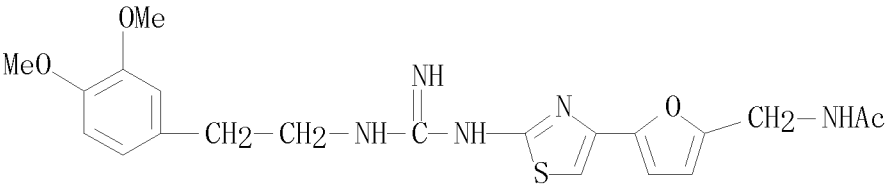


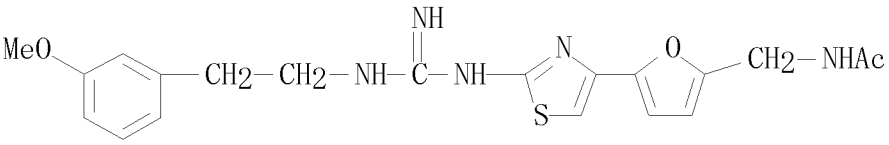
RN 168970-03-4 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



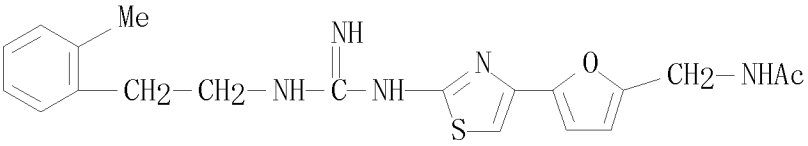
RN 168970-05-6 CAPLUS
CN Acetamide, N-[[5-[2-[[[[2-(3,4-dimethoxyphenyl)ethyl]amino]iminomethyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



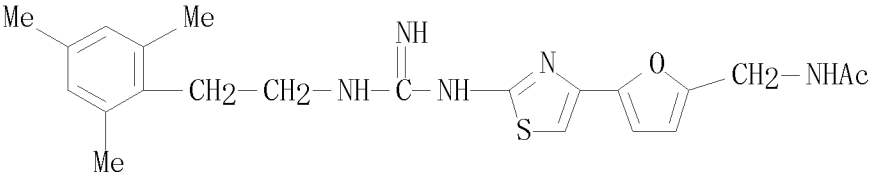
RN 168970-27-2 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-(3-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



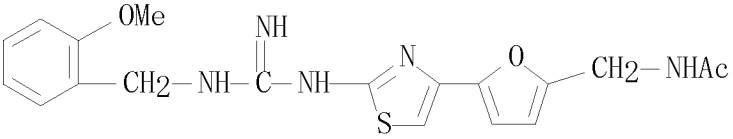
RN 168970-29-4 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-(2-methylphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



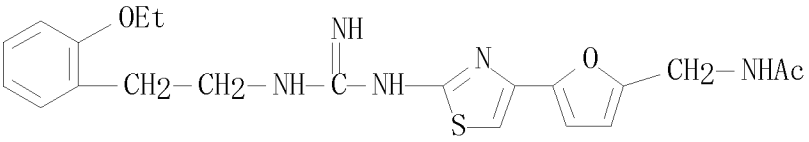
RN 168970-30-7 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-(2,4,6-trimethylphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



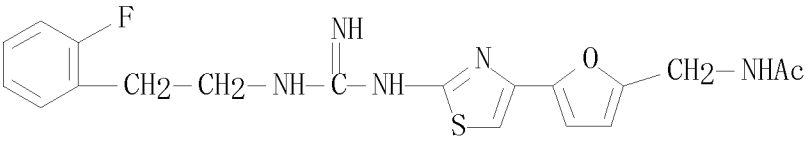
RN 168970-32-9 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[(2-methoxyphenyl)methyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



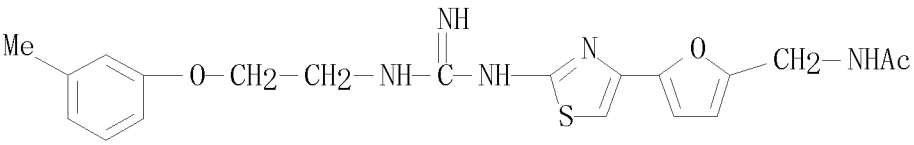
RN 168970-34-1 CAPLUS
CN Acetamide, N-[[5-[2-[[[[2-(2-ethoxyphenyl)ethyl]amino]iminomethyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



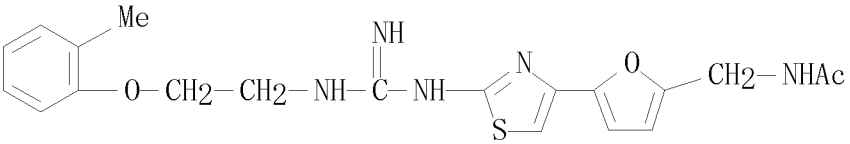
RN 168970-35-2 CAPLUS
CN Acetamide, N-[[5-[2-[[[[2-(2-fluorophenyl)ethyl]amino]iminomethyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



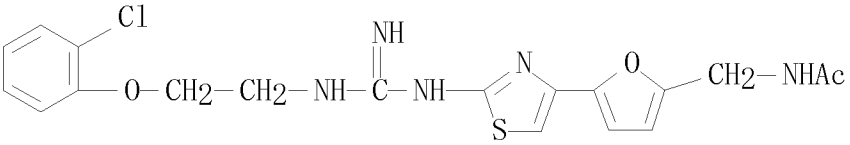
RN 168970-37-4 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-(3-methylphenoxy)ethyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



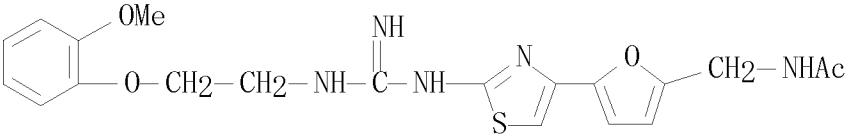
RN 168970-38-5 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-(2-methylphenoxy)ethyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



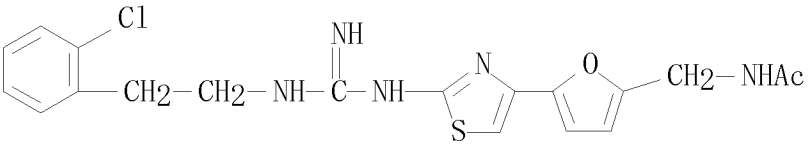
RN 168970-39-6 CAPLUS
CN Acetamide, N-[[5-[2-[[[[2-(2-chlorophenoxy)ethyl]amino]iminomethyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



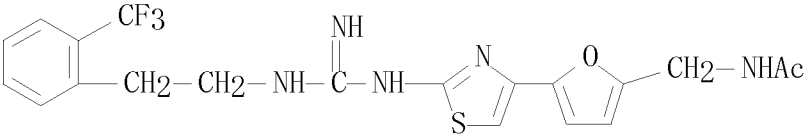
RN 168970-40-9 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-(2-methoxyphenoxy)ethyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



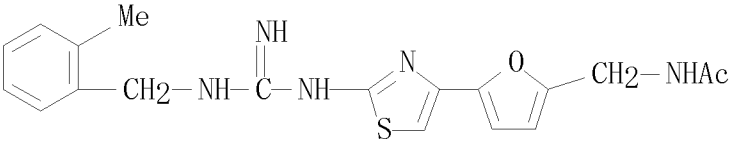
RN 168970-41-0 CAPLUS
CN Acetamide, N-[[5-[2-[[[[2-(2-chlorophenyl)ethyl]amino]iminomethyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



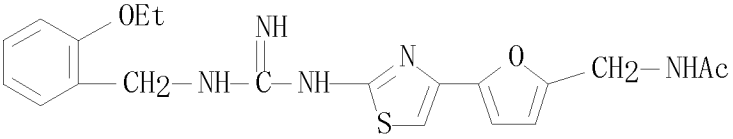
RN 168970-42-1 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-[2-(trifluoromethyl)phenyl]ethyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



RN 168970-43-2 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[(2-methylphenyl)methyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



RN 168970-48-7 CAPLUS
CN Acetamide, N-[[5-[2-[[[[(2-ethoxyphenyl)methyl]amino]iminomethyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)

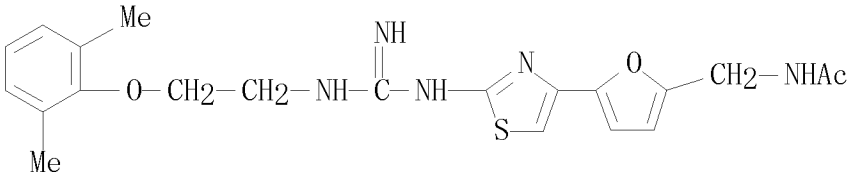


RN 168970-53-4 CAPLUS
CN Acetamide, N-[[5-[2-[[[[2-(2,6-dimethylphenoxy)ethyl]amino]iminomethyl]amino]-4-thiazolyl]-2-

furanyl]methyl]-, ethanedioate (1:1) (CA INDEX NAME)

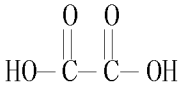
CM 1

CRN 168970-52-3
CMF C21 H25 N5 O3 S

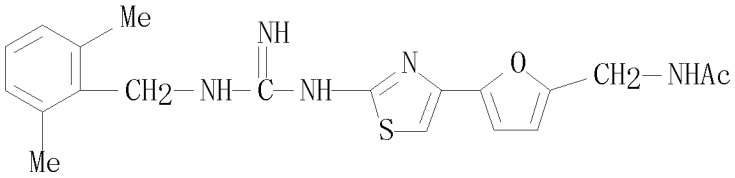


CM 2

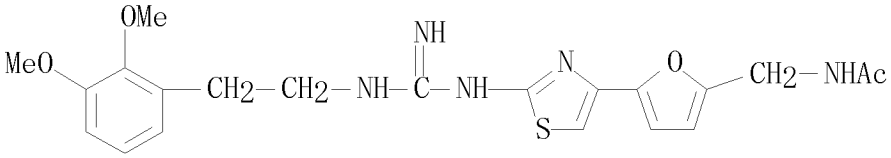
CRN 144-62-7
CMF C2 H2 O4



RN 168970-58-9 CAPLUS
CN Acetamide, N-[[5-[2-[[[[(2,6-dimethylphenyl)methyl]amino]iminomethyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)

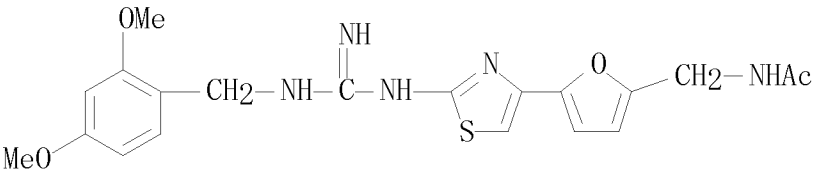


RN 168970-59-0 CAPLUS
CN Acetamide, N-[[5-[2-[[[[2-(2,3-dimethoxyphenyl)ethyl]amino]iminomethyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)

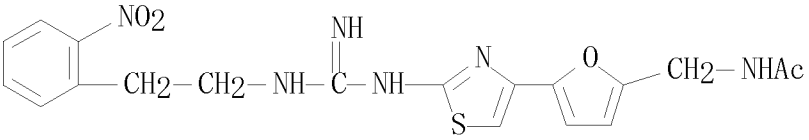


RN 168970-66-9 CAPLUS
CN Acetamide, N-[[5-[2-[[[[(2,4-

dimethoxyphenyl)methyl]amino]iminomethyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



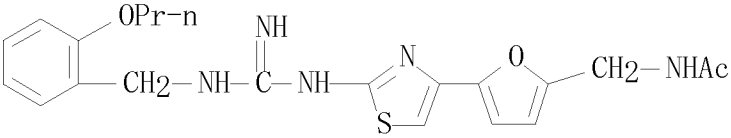
RN 168970-67-0 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-(2-nitrophenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



RN 168970-72-7 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[(2-propoxyphenyl)methyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]-, ethanedioate (1:1) (CA INDEX NAME)

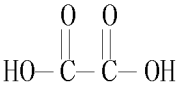
CM 1

CRN 168970-71-6
CMF C21 H25 N5 O3 S



CM 2

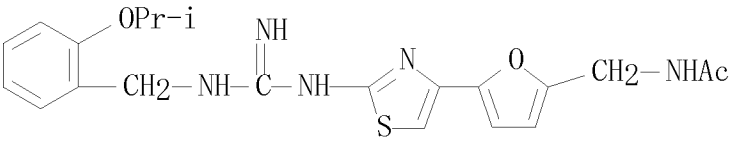
CRN 144-62-7
CMF C2 H2 O4



RN 168970-76-1 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[[2-(1-methylethoxy)phenyl]methyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]-, ethanedioate (1:1) (CA INDEX NAME)

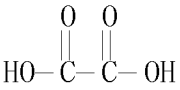
CM 1

CRN 168970-75-0
CMF C21 H25 N5 O3 S

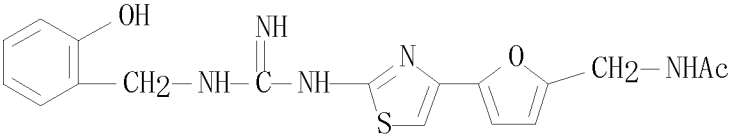


CM 2

CRN 144-62-7
CMF C2 H2 O4



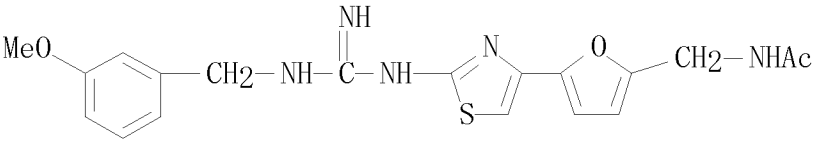
RN 168970-77-2 CAPLUS
CN Acetamide, N-[[5-[2-[[[[(2-hydroxyphenyl)methyl]amino]iminomethyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



RN 168970-80-7 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[(3-methoxyphenyl)methyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]-, ethanedioate (1:1) (CA INDEX NAME)

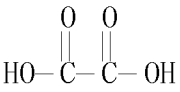
CM 1

CRN 168970-79-4
CMF C19 H21 N5 O3 S

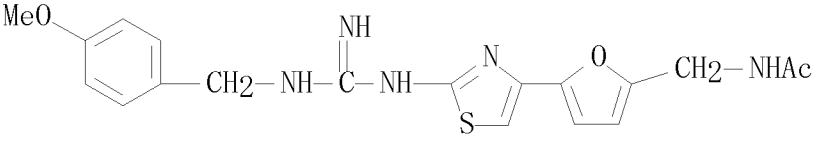


CM 2

CRN 144-62-7
CMF C2 H2 O4



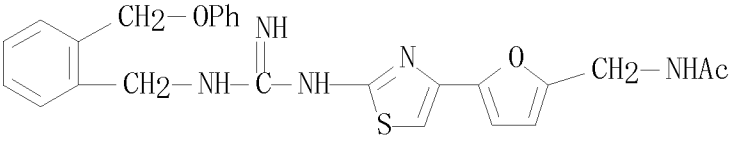
RN 168970-81-8 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[(4-methoxyphenyl)methyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



RN 168970-89-6 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[[2-(phenoxymethyl)phenyl]methyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]-, ethanedioate (1:1) (CA INDEX NAME)

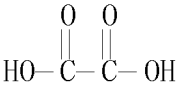
CM 1

CRN 168970-88-5
CMF C25 H25 N5 O3 S

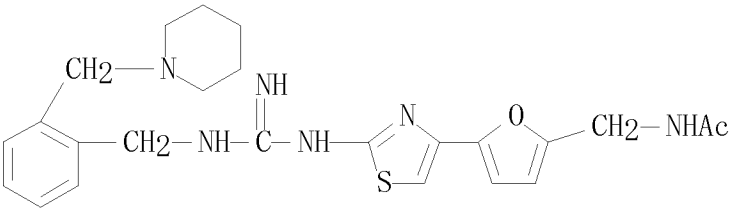


CM 2

CRN 144-62-7
CMF C2 H2 O4



RN 168970-91-0 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[[2-(1-piperidinylmethyl)phenyl]methyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]-, hydrochloride (1:2) (CA INDEX NAME)

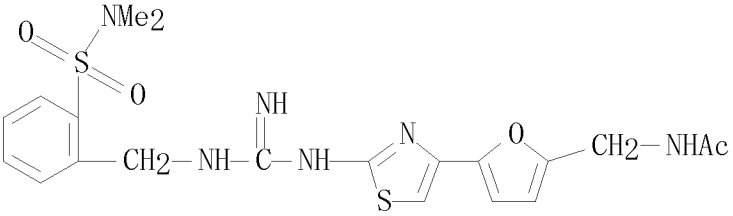


●2 HCl

RN 168970-93-2 CAPLUS
CN Acetamide, N-[[5-[2-[[[[[2-[(dimethylamino)sulfonyl]phenyl]methyl]amino]iminomethyl]amino]-4-thiazolyl]-2-furanyl]methyl]-, ethanedioate (1:1) (CA INDEX NAME)

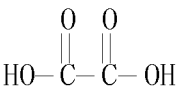
CM 1

CRN 168970-92-1
CMF C20 H24 N6 O4 S2



CM 2

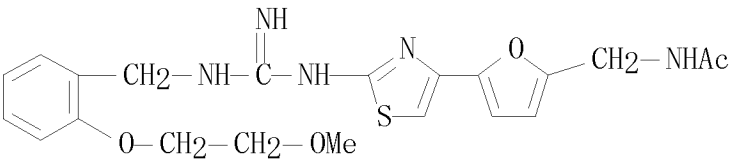
CRN 144-62-7
CMF C2 H2 O4



RN 168970-96-5 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[[2-(2-methoxyethoxy)phenyl]methyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]-, ethanedioate (1:1) (CA INDEX NAME)

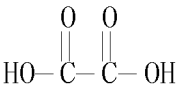
CM 1

CRN 168970-95-4
CMF C21 H25 N5 O4 S

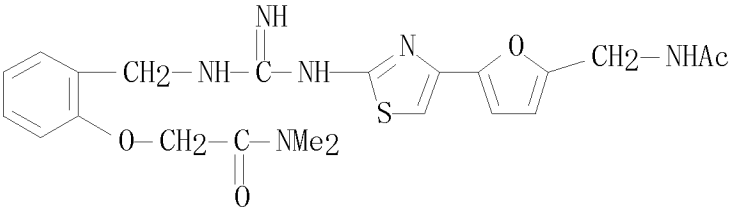


CM 2

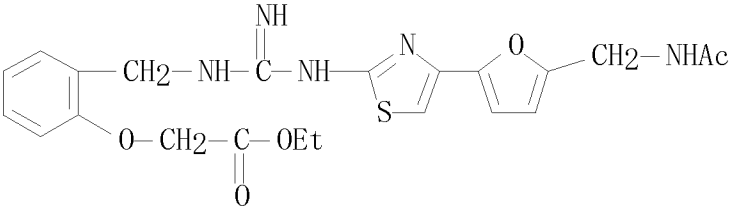
CRN 144-62-7
CMF C2 H2 O4



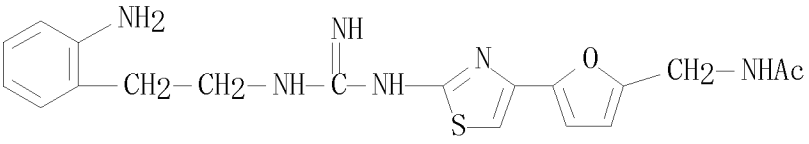
RN 168970-98-7 CAPLUS
CN Acetamide, 2-[2-[[[[[4-[5-[(acetylamino)methyl]-2-furanyl]-2-thiazolyl]amino]iminomethyl]amino]methyl]phenoxy]-N,N-dimethyl- (CA INDEX NAME)



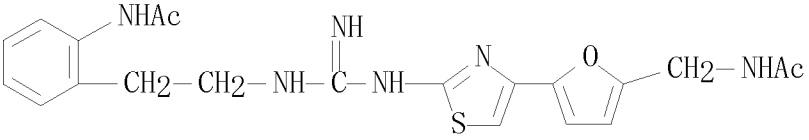
RN 168970-99-8 CAPLUS
CN Acetic acid, 2-[2-[[[[[4-[5-[(acetylamino)methyl]-2-furanyl]-2-thiazolyl]amino]iminomethyl]amino]methyl]phenoxy]-, ethyl ester (CA INDEX NAME)



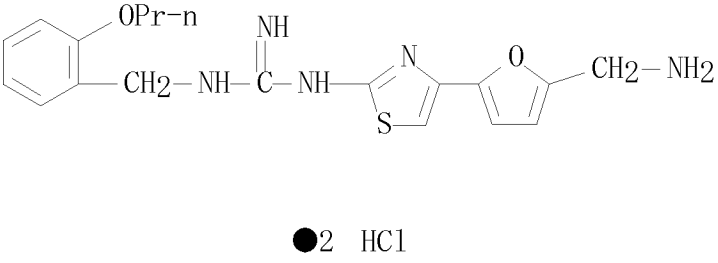
RN 168971-00-4 CAPLUS
CN Acetamide, N-[[5-[2-[[[[2-(2-aminophenyl)ethyl]amino]iminomethyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



RN 168971-01-5 CAPLUS
CN Acetamide, N-[2-[2-[[[[4-[5-[(acetylamino)methyl]-2-furanyl]-2-thiazolyl]amino]iminomethyl]amino]ethyl]phenyl]- (CA INDEX NAME)

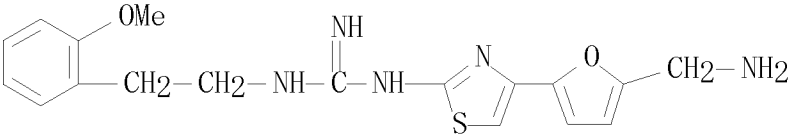


RN 168971-10-6 CAPLUS
CN Guanidine, N-[4-[5-(aminomethyl)-2-furanyl]-2-thiazolyl]-N'-[(2-propoxyphenyl)methyl]-, hydrochloride (1:2) (CA INDEX NAME)



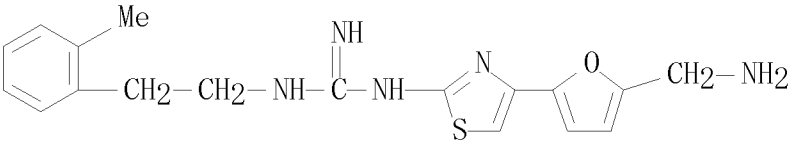
●2 HCl

RN 168971-17-3 CAPLUS
CN Guanidine, N-[4-[5-(aminomethyl)-2-furanyl]-2-thiazolyl]-N'-[2-(2-methoxyphenyl)ethyl]-, hydrochloride (1:2) (CA INDEX NAME)



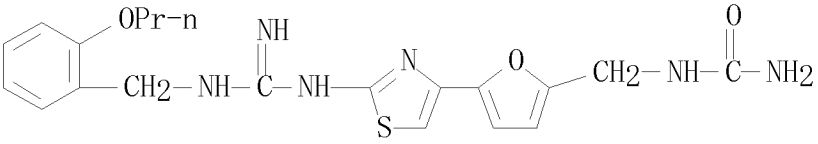
●2 HCl

RN 168971-18-4 CAPLUS
CN Guanidine, N-[4-[5-(aminomethyl)-2-furanyl]-2-thiazolyl]-N'-[2-(2-methylphenyl)ethyl]-, hydrochloride (1:2) (CA INDEX NAME)

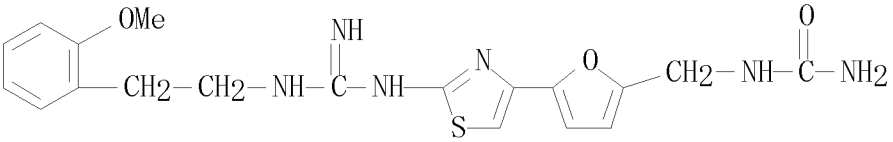


●2 HCl

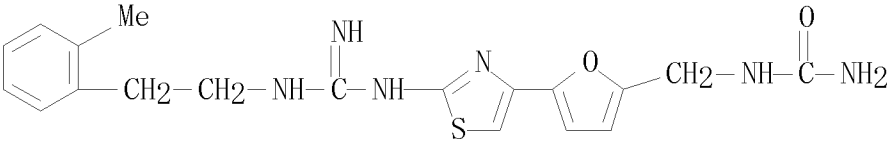
RN 168971-32-2 CAPLUS
CN Urea, N-[[5-[2-[[imino[[(2-propoxyphenyl)methyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



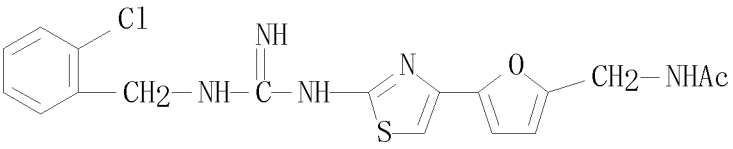
RN 168971-39-9 CAPLUS
CN Urea, N-[[5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



RN 168971-40-2 CAPLUS
CN Urea, N-[[5-[2-[[imino[[2-(2-methylphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



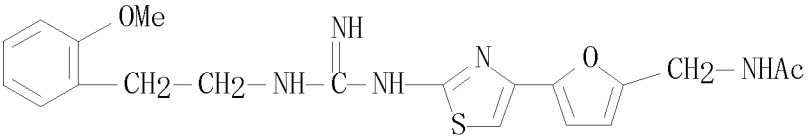
RN 168971-45-7 CAPLUS
CN Acetamide, N-[[5-[2-[[[[(2-chlorophenyl)methyl]amino]iminomethyl]amino]-4-thiazolyl]-2-furanyl]methyl]- (CA INDEX NAME)



RN 168971-46-8 CAPLUS
CN Acetamide, N-[[5-[2-[[imino[[2-(2-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]-2-furanyl]methyl]-, ethanedioate (1:1) (CA INDEX NAME)

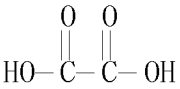
CM 1

CRN 168970-03-4
CMF C20 H23 N5 O3 S



CM 2

CRN 144-62-7
CMF C2 H2 O4

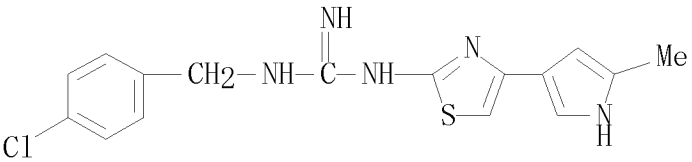


OS.CITING REF COUNT: 10 THERE ARE 10 CAPLUS RECORDS THAT CITE THIS RECORD (10 CITINGS)
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

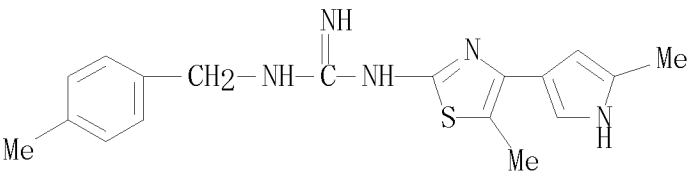
L7 ANSWER 25 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1995:568674 CAPLUS
DOCUMENT NUMBER: 122:281411
ORIGINAL REFERENCE NO.: 122:51019a,51022a
TITLE: Structure-Activity Study on Antiulcer Agents Using Wiener's Topological Index and Molecular Connectivity Index
AUTHOR(S): Goel, Anshu; Madan, A. K.
CORPORATE SOURCE: College of Pharmacy, Pushp Vihar, New Delhi, 110 017, India
SOURCE: Journal of Chemical Information and Computer Sciences (1995), 35(3), 504-9
CODEN: JCISD8; ISSN: 0095-2338
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
ABSTRACT:
The relation of Wiener's topol. index and mol. connectivity index with antiulcer activity of a series of 4-substituted-2-guanidino thiazole analogs has been investigated. The values of Wiener's topol. index and mol. connectivity index of 128 compds. were computed and active ranges were identified. The activity assigned to each analog using these topol. descriptors was subsequently compared with the reported in vitro and in vivo activities against gastric hydrogen-potassium stimulated ATPase (H+K+-ATPase) enzyme. Predictions with an accuracy of the order of .apprx.89% were observed with regard to in vivo activity using these topol. indexes.

IT 123309-54-6 123309-67-1
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(structure-activity study on antiulcer guanidinothiazoles using Wiener's topol. index and mol. connectivity index)

RN 123309-54-6 CAPLUS
CN Guanidine, N-[(4-chlorophenyl)methyl]-N'-[4-(5-methyl-1H-pyrrol-3-yl)-2-thiazolyl]- (CA INDEX NAME)



RN 123309-67-1 CAPLUS
CN Guanidine, N-[5-methyl-4-(5-methyl-1H-pyrrol-3-yl)-2-thiazolyl]-N'-[(4-methylphenyl)methyl]- (CA INDEX NAME)

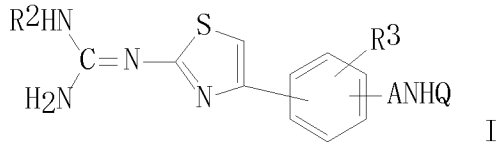


OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (7 CITINGS)

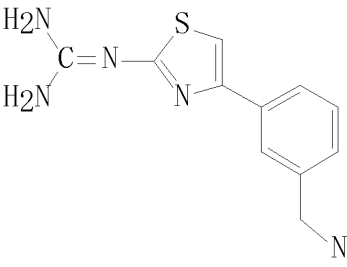
L7 ANSWER 26 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1993:603405 CAPLUS
DOCUMENT NUMBER: 119:203405
ORIGINAL REFERENCE NO.: 119:36281a,36284a
TITLE: Preparation of guanidinothiazoles and their use as histamine H2-receptor antagonists
INVENTOR(S): Katsura, Yousuke; Tomishi, Tetsuo; Inoue, Yoshikazu; Takasugi, Hisashi
PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 49 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 545376	A1	19930609	EP 1992-120533	19921202
EP 545376	B1	19980909		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
ZA 9208876	A	19930715	ZA 1992-8876	19921117
AU 9229837	A	19930610	AU 1992-29837	19921202
AU 666893	B2	19960229		
JP 06321921	A	19941122	JP 1992-323052	19921202
JP 2531329	B2	19960904		
AT 170851	T	19980915	AT 1992-120533	19921202
CA 2084640	A1	19930607	CA 1992-2084640	19921204
HU 65776	A2	19940728	HU 1992-3849	19921204
CN 1079469	A	19931215	CN 1992-114939	19921205
US 5532258	A	19960702	US 1994-356967	19941216
PRIORITY APPLN. INFO.:			GB 1991-25970 A	19911206
			US 1992-978477 B1	19921118

OTHER SOURCE(S): MARPAT 119:203405
GRAPHIC IMAGE:



I

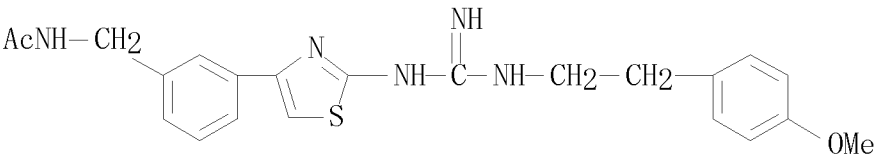


II

ABSTRACT:

Title compds. [I; R2 = H, (substituted) alkyl; R3 = H, alkyl, alkoxy, halo; A = alkylene; Q = COR1, (substituted) carbamimidoyl; R1 = organic group], were prepared Thus, 4-(3-aminomethylphenyl)-2-(diaminomethyleneamino)thiazole dihydrochloride (preparation given) was stirred with potassium isocyanate in H2O at room temperature for 8.5 h to give title compound II. II at 1 mg/kg i.v. in rats inhibited 99% gastric acid secretion.

IT 149917-20-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as histamine H2 receptor antagonist)
RN 149917-20-4 CAPLUS
CN Acetamide, N-[[3-[2-[[imino[[2-(4-methoxyphenyl)ethyl]amino]methyl]amino]-4-thiazolyl]phenyl]methyl]- (CA INDEX NAME)



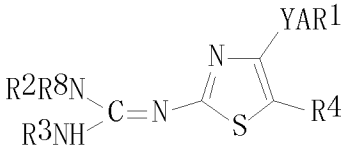
OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)

L7 ANSWER 27 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1993:234050 CAPLUS
DOCUMENT NUMBER: 118:234050
ORIGINAL REFERENCE NO.: 118:40543a,40546a
TITLE: Preparation of thiazole derivatives as antiulcer and antimicrobial agents
INVENTOR(S): Takasugi, Hisashi; Katsura, Yousuke; Inoue, Yoshikazu; Tomishi, Tetsuo
PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Japan
SOURCE: PCT Int. Appl., 105 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

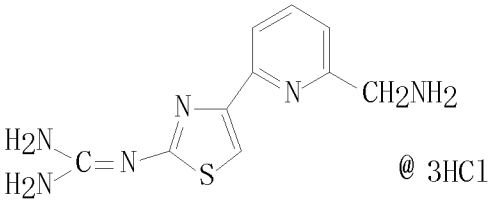
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9216526	A1	19921001	WO 1992-JP279	19920309
W: CA, JP, KR, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE				
CA 2105981	A1	19920914	CA 1992-2105981	19920309
EP 575614	A1	19931229	EP 1992-905746	19920309
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
JP 06505724	T	19940630	JP 1992-505609	19920309
CN 1089259	A	19940713	CN 1993-100376	19930102
US 5364871	A	19941115	US 1993-29359	19930310

PRIORITY APPLN. INFO.:
US 1991-668915 A 19910313
GB 1989-20977 A 19890915
GB 1989-28610 A 19891219
GB 1990-12962 A 19900611
US 1990-571151 B2 19900823
US 1992-825832 B1 19920128
WO 1992-JP279 W 19920309

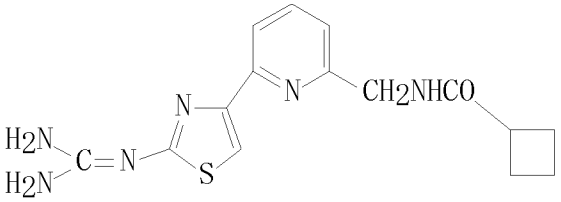
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 118:234050
GRAPHIC IMAGE:



I



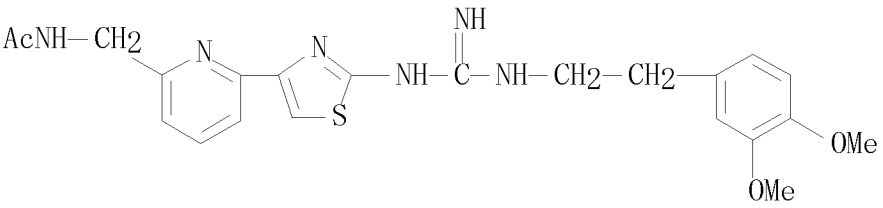
II



III

ABSTRACT:
Thiazole derivs. [I; R1 = (substituted) amino, OH, halo, cyano, acyl, etc.; R2, R3, R8 = H, acyl, (substituted) alkyl, C3-7 cycloalkyl, alkenyl, alkynyl, etc.; 2 of R2, R3, and R8 may form alkylene containing optional hetero atom; R4 = H, alkyl; A = bond, alkylene; Y = (halo)pyridinediyl, thiazolediyl] are prepared A mixture of 0.5 mL cyclobutanecarboxylic acid, 0.8 g 1-hydroxybenzotriazole hydrate, and 1.0 g Me2N(CH2)3N:C:NEt.HCl in DMF was stirred at room temperature and the mixture was added to 1.5 g thiazole salt II and Et3N in DMF with stirring at room temperature to give 0.86 g III after neutralization. Also prepared were 80 addnl. I, which showed 100% inhibition of gastric secretion at 1 mg/kg i.v. in rats and MIC of 0.78 μg/mL against Campylobacter pyloridis 8008.

IT 146946-81-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as antiulcer and antimicrobial agent)
RN 146946-81-8 CAPLUS
CN Acetamide, N-[[6-[2-[[[[2-(3,4-dimethoxyphenyl)ethyl]amino]iminomethyl]amino]-4-thiazolyl]-2-pyridinyl]methyl]- (CA INDEX NAME)



OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

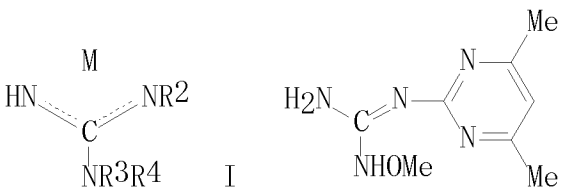
L7 ANSWER 28 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1990:497620 CAPLUS
DOCUMENT NUMBER: 113:97620
ORIGINAL REFERENCE NO.: 113:16493a,16496a
TITLE: Guanidinopyrimidines as herbicides and plant growth regulators and their preparation
INVENTOR(S): Moriya, Koichi; Pfister, Theodor; Riebel, Hans Jochem; Eue, Ludwig; Schmidt, Robert R.; Luerrsen, Klaus
PATENT ASSIGNEE(S): Bayer A.-G., Fed. Rep. Ger.
SOURCE: U.S., 84 pp. Cont.-in-part of U.S. 4,721,785.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 8
PATENT INFORMATION:

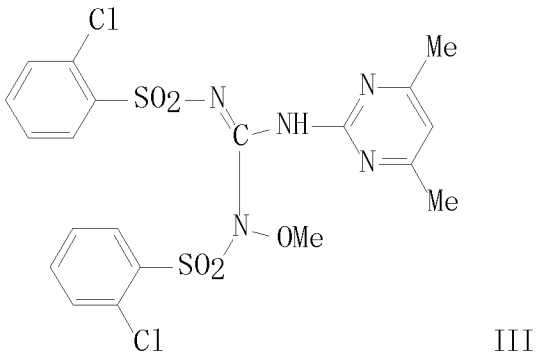
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4880932	A	19891114	US 1987-44083	19870429
DE 3334455	A1	19840906	DE 1983-3334455	19830923
US 4602938	A	19860729	US 1984-578345	19840209
US 4721785	A	19880126	US 1986-853822	19860418
US 4844730	A	19890704	US 1988-224973	19880727

PRIORITY APPLN. INFO.:

DE 1983-3307679	A	19830304
DE 1983-3334455	A	19830923
US 1984-578345	A3	19840209
US 1986-853822	A2	19860418
US 1987-44083	A3	19870429

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 113:97620
GRAPHIC IMAGE:

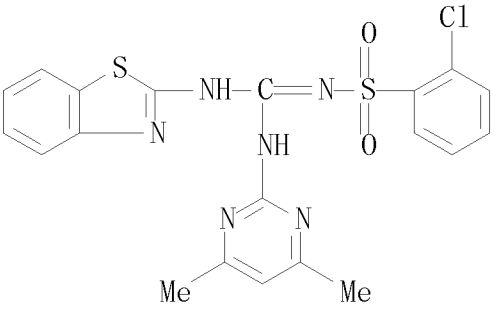




ABSTRACT:

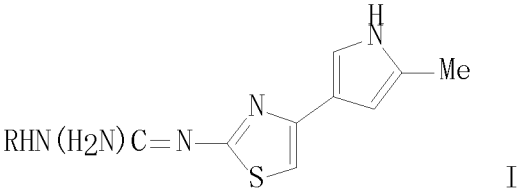
The title compds. I [R2 = (substituted) pyrimidinyl; R3 = H, C1-4 alkyl; R4 = OR8; R8 = (substituted) C1-6 alkyl, C3-6 cycloalkyl, (substituted) PhCH2; or R4 = NR9R10; R9 = H, C1-4 alkyl; R10 = (substituted) C1-4 alkyl, C3-6 alkenyl, C3-6 cycloalkyl, etc.; M = undefined] were prepared Reaction of 2-cyanoamino-4,6-dimethylpyrimidine with MeONH2.HCl gave 55% pyrimidine II. Pyrimidine III is said to show an excellent inhibitory activity against the growth of soybeans.

IT 118882-95-4P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as herbicide and plant growth regulator)
RN 118882-95-4 CAPLUS
CN Benzenesulfonamide, N-[(2-benzothiazolylamino)[(4,6-dimethyl-2-pyrimidinyl)amino]methylene]-2-chloro- (CA INDEX NAME)



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

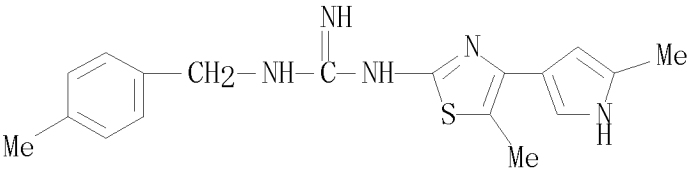
L7 ANSWER 29 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1990:55688 CAPLUS
DOCUMENT NUMBER: 112:55688
ORIGINAL REFERENCE NO.: 112:9563a,9566a
TITLE: Antiulcer agents. 4-Substituted 2-guanidinothiazoles: reversible, competitive, and selective inhibitors of gastric H+,K+-ATPase
AUTHOR(S): LaMattina, John L.; McCarthy, Peter A.; Reiter, Lawrence A.; Holt, William F.; Yeh, Li An
CORPORATE SOURCE: Cent. Res. Div., Pfizer Inc., Groton, CT, 06340, USA
SOURCE: Journal of Medicinal Chemistry (1990), 33(2), 543-52
CODEN: JMCMAR; ISSN: 0022-2623
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 112:55688
GRAPHIC IMAGE:



I

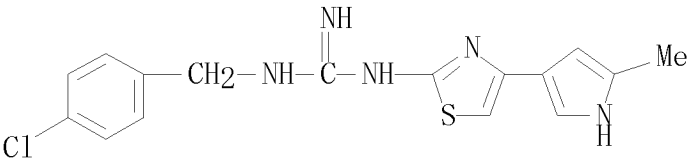
ABSTRACT:
A series of 4-substituted-2-guanidinothiazoles, e.g. (I, R = PhCH2, 4-ClC6H4CH2, hexyl), is shown to inhibit the gastric proton-pump enzyme, H+,K+-ATPase. In general, these compds. were reversible inhibitors of canine gastric H+,K+-ATPase, competitive at the K+-site, and selective relative to canine renal Na+,K+-ATPase. Structure-activity relationship (SAR) studies on this series revealed no general replacement for the guanidinothiazole. On the other hand, use of pyrrolyl, Ph, and indolyl groups as the C-4 substituent yielded active compds. Extensive studies of substitution patterns on these 4-aryl groups led to more active compds., but no consistent SAR became apparent. Monosubstitution of the guanidine and substitution of the thiazole at C-5 both often led to increased activity, but combining these changes generated compds. less active than the parents. Despite 100-fold improvement in in vitro inhibitory potency, only a 3-fold increase in gastric antisecretory activity in rats was observed for these agents.

IT 115027-50-4P 123309-54-6P 123309-67-1P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and antiulcer activity of)
RN 115027-50-4 CAPLUS
CN Guanidine, N-[5-methyl-4-(5-methyl-1H-pyrrol-3-yl)-2-thiazolyl]-N'-[(4-methylphenyl)methyl]-, hydrochloride (1:1) (CA INDEX NAME)

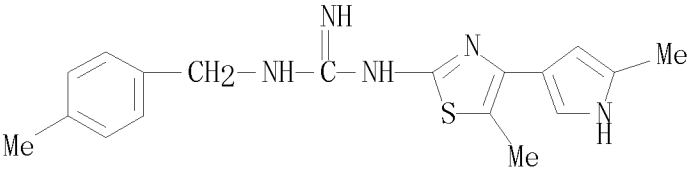


● HCl

RN 123309-54-6 CAPLUS
CN Guanidine, N-[(4-chlorophenyl)methyl]-N'-[4-(5-methyl-1H-pyrrol-3-yl)-2-thiazolyl]- (CA INDEX NAME)



RN 123309-67-1 CAPLUS
CN Guanidine, N-[5-methyl-4-(5-methyl-1H-pyrrol-3-yl)-2-thiazolyl]-N'-[(4-methylphenyl)methyl]- (CA INDEX NAME)



OS.CITING REF COUNT: 12 THERE ARE 12 CAPLUS RECORDS THAT CITE THIS RECORD (12 CITINGS)

L7 ANSWER 30 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1989:497275 CAPLUS
DOCUMENT NUMBER: 111:97275
ORIGINAL REFERENCE NO.: 111:16373a,16376a
TITLE: Preparation of (sulfonylguanidino)pyrimidine derivatives as herbicides
INVENTOR(S): Moriya, Koichi; Pfister, Theodor; Riebel, Hans Jochem; Eue, Ludwig; Schmidt, Robert R.; Luerssen, Klaus
PATENT ASSIGNEE(S): Bayer A.-G., Fed. Rep. Ger.
SOURCE: U.S., 55 pp. Cont.-in-part of U.S. 4,721,785.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 8
PATENT INFORMATION:

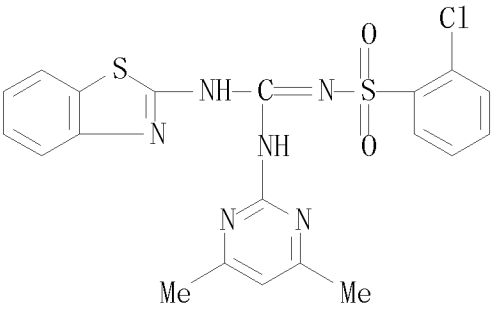
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4797484	A	19890110	US 1987-5800	19870116
DE 3334455	A1	19840906	DE 1983-3334455	19830923
US 4602938	A	19860729	US 1984-578345	19840209
US 4721785	A	19880126	US 1986-853822	19860418

PRIORITY APPLN. INFO.:

DE 1983-3307679	A	19830304
DE 1983-3334455	A	19830923
US 1984-578345	A3	19840209
US 1986-853822	A2	19860418

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 111:97275
GRAPHIC IMAGE: For diagram(s), see printed CA Issue.
ABSTRACT:
The title compds. [I; R1 = H, RSOm (R = alkyl, aralkyl, aryl, heteroaryl; m = 0, 1, 2); R2 = Me, MeO; R3 = R1; R4 = alkoxy, alkenyloxy, aryl, alkyl, aryloxy, etc.; M = H, metal ion, ammonium radical], useful as herbicides, are prepared Stirring a mixture of 0.15 mol guanidine derivative II and 0.3 mol 2-ClC6H4SO2Cl in pyridine at 20° gave 51% III, which showed excellent growth inhibitory activity in soybeans, barley, and cotton at 1 weight%.

IT 118882-95-4P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as herbicide)
RN 118882-95-4 CAPLUS
CN Benzenesulfonamide, N-[(2-benzothiazolylamino)[(4,6-dimethyl-2-pyrimidinyl)amino]methylene]-2-chloro- (CA INDEX NAME)


S
NH
C
N
S
O
O
Cl
N
NH
N
N
Me
Me

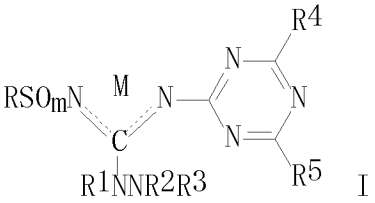
L7 ANSWER 31 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1989:90612 CAPLUS
DOCUMENT NUMBER: 110:90612
ORIGINAL REFERENCE NO.: 110:14885a,14888a
TITLE: N'-(substituted-1,3,5-triazinyl)-N"-amino-N'''-(substituted-benzenesulfonyl)guanidine herbicides and plant growth regulators
INVENTOR(S): Diehr, Hans Joachim; Fest, Christa; Kluth, Joachim; Muller, Klaus Helmut; Pfister, Theodor; Priesnitz, Uwe; Riebel, Hans Jochem; Roy, Wolfgang; Santel, Hans Joachim; et al.
PATENT ASSIGNEE(S): Bayer A.-G., Fed. Rep. Ger.
SOURCE: U.S., 65 pp. Cont.-in-part of U.S. Ser. No. 769,222.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 8
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4743294	A	19880510	US 1987-41260	19870422
DE 3334455	A1	19840906	DE 1983-3334455	19830923
US 4602938	A	19860729	US 1984-578345	19840209
DE 3517821	A1	19860313	DE 1985-3517821	19850517
US 4721785	A	19880126	US 1986-853822	19860418

PRIORITY APPLN. INFO.:

DE 1983-3307679	A	19830304
DE 1983-3334455	A	19830923
US 1984-578345	A3	19840209
DE 1984-3431925	A	19840830
DE 1985-3517821	A	19850517
US 1985-769222	A2	19850823
US 1986-853822	A2	19860418

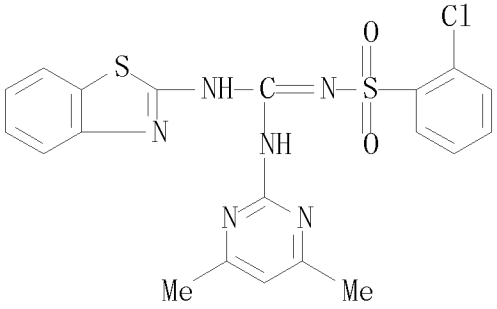
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 110:90612
GRAPHIC IMAGE:



I

ABSTRACT:
The title compds. I [R = alkyl, haloalkyl, (un)substituted Ph, quinolinyl, pyrrolyl, furyl or thienyl; R1 = H, (un)substituted alkyl, etc.; R2 = H, alkyl, R3 = R2, alkenyl, alkynyl, (un)substituted Ph; NR2R3 = heterocyclyl; R4,R5 = alkyl, alkoxy, etc.; M = H, metal, NH4, etc.; m = 0, 1, 2] and I acid adducts which are herbicides and plant growth regulators, were prepared. One part I (R = 2-ClC6H4, R1 = M = H, R2 = R3 = R4 = Me, R5 = OMe, n = 2) formulated with 5 parts acetone and 1 part alkylaryl polyglycol ether controlled unspecified weed species when supplied pre- or postemergence.

IT 118882-95-4P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as herbicide and plant growth regulator)
RN 118882-95-4 CAPLUS
CN Benzenesulfonamide, N-[(2-benzothiazolylamino)[(4,6-dimethyl-2-pyrimidinyl)amino]methylene]-2-chloro- (CA INDEX NAME)

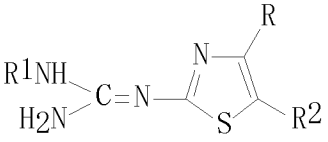


REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 32 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1988:422963 CAPLUS
DOCUMENT NUMBER: 109:22963
ORIGINAL REFERENCE NO.: 109:3929a,3932a
TITLE: Preparation of 2-guanidino-4-arylthiazoles for treatment of peptic ulcers
INVENTOR(S): Lamattina, John Lawrence; McCarthy, Peter Andrew; Reiter, Lawrence Alan
PATENT ASSIGNEE(S): Pfizer Inc., USA
SOURCE: Eur. Pat. Appl., 49 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 259085	A1	19880309	EP 1987-307495	19870825
EP 259085	B1	19910821		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
AT 66477	T	19910915	AT 1987-307495	19870825
ES 2031514	T3	19921216	ES 1987-307495	19870825
JP 63063678	A	19880322	JP 1987-214960	19870828
JP 06033258	B	19940502		
DK 8704516	A	19880513	DK 1987-4516	19870828
US 5026715	A	19910625	US 1989-426455	19891020

PRIORITY APPLN. INFO.: WO 1986-US1795 A 19860829
EP 1987-307495 A 19870825
US 1988-178058 B1 19880404
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): CASREACT 109:22963; MARPAT 109:22963
GRAPHIC IMAGE:



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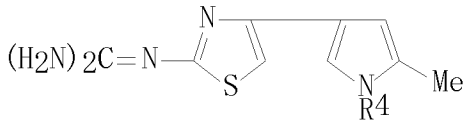
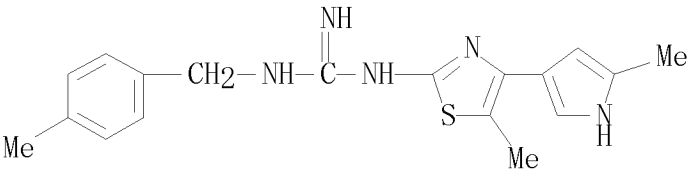


II

ABSTRACT:
The title compds. [I; R = C-attached (un)substituted pyrrolyl, indolyl; R1 = H, C1-10 alkyl, R3(CH2)n, (un)substituted Ph; R2 = H, C1-4 alkyl; R3 = (un)substituted Ph, naphthyl, thienyl, pyridyl, pyrimidinyl, thiazolyl, imidazolyl; n = 1-4] and their pharmaceutically acceptable salts were prepared as inhibitors of gastric parietal cell H+/K+ ATPase, useful for prophylaxis or treatment of peptic ulcers in mammals. 2-Methyl-1-(phenylsulfonyl)pyrrole underwent Friedel-Crafts acylation with Ac2O to give a mixture of 60% 3-acetyl- and 24% 4-acetyl-2-methyl-1-(phenylsulfonyl)pyrrole. The latter was treated with Br in CHCl3 to give 59% 4-(bromoacetyl) derivative which was cyclocondensed with H2NC(:NH)NHCSNH2 in acetone to give 85% thiazolylguanidine II.HBr (R4 = PhSO2). This was refluxed in methanolic KOH to give 96% II (R4 = H) (III). III inhibited ATPase from canine gastric mucosa with an IC50 of 15 + 10-6M and 30 mg III/kg in rats completely inhibited EtOH-induced gastric ulceration.

IT 115027-50-4P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as ulcer inhibitor)
RN 115027-50-4 CAPLUS
CN Guanidine, N-[5-methyl-4-(5-methyl-1H-pyrrol-3-yl)-2-thiazolyl]-N'-[(4-methylphenyl)methyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

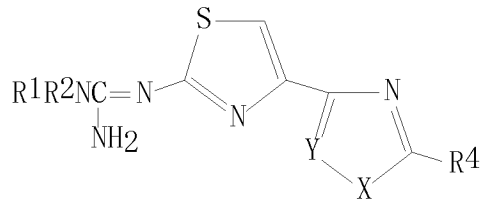
OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (9 CITINGS)

L7 ANSWER 33 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1986:168456 CAPLUS
DOCUMENT NUMBER: 104:168456
ORIGINAL REFERENCE NO.: 104:26691a,26694a
TITLE: 2-(N-Substituted-guanidino)-4-heteroarylthiazole antiulcer agents
INVENTOR(S): Reiter, Lawrence Alan
PATENT ASSIGNEE(S): Pfizer Inc., USA
SOURCE: Eur. Pat. Appl., 66 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

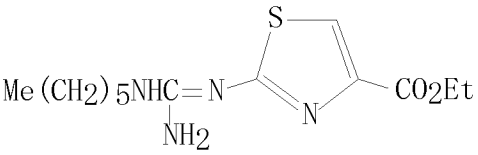
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 161841	A1	19851121	EP 1985-302844	19850424
EP 161841	B1	19890719		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
US 4560690	A	19851224	US 1984-605510	19840430
IN 165501	A1	19891104	IN 1985-DE244	19850322
AT 44741	T	19890815	AT 1985-302844	19850424
CS 248741	B2	19870212	CS 1985-3042	19850425
CS 248750	B2	19870212	CS 1985-7163	19850425
DD 233374	A5	19860226	DD 1985-275638	19850426
PL 145213	B1	19880831	PL 1985-253107	19850426
PL 146070	B1	19881231	PL 1985-257845	19850426
CA 1262352	A1	19891017	CA 1985-480150	19850426
CN 85103265	A	19861210	CN 1985-103265	19850427
CN 1012365	B	19910417		
DK 8501908	A	19851031	DK 1985-1908	19850429
DK 165693	B	19930104		
DK 165693	C	19930607		
FI 8501683	A	19851031	FI 1985-1683	19850429
FI 81096	B	19900531		
FI 81096	C	19900910		
NO 8501695	A	19851031	NO 1985-1695	19850429
NO 164097	B	19900521		
NO 164097	C	19900829		
AU 8541790	A	19851107	AU 1985-41790	19850429
AU 554271	B2	19860814		
HU 37787	A2	19860228	HU 1985-1646	19850429
HU 198300	B	19890928		
ZA 8503161	A	19861230	ZA 1985-3161	19850429
SU 1380614	A3	19880307	SU 1985-3884505	19850429
IL 75038	A	19880731	IL 1985-75038	19850429
JP 60239474	A	19851128	JP 1985-93524	19850430
JP 63016387	B	19880408		
SU 1400508	A3	19880530	SU 1986-4027210	19860402
IN 173937	A1	19940813	IN 1987-DE939	19871027

PRIORITY APPLN. INFO.:
US 1984-605510 A 19840430
IN 1985-DE244 A1 19850322
EP 1985-302844 A 19850424

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): CASREACT 104:168456; MARPAT 104:168456
GRAPHIC IMAGE:



I

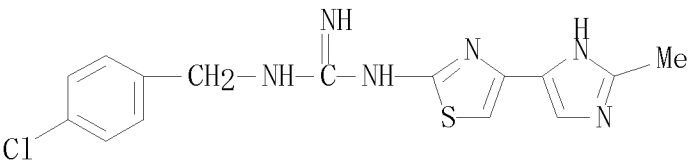


II

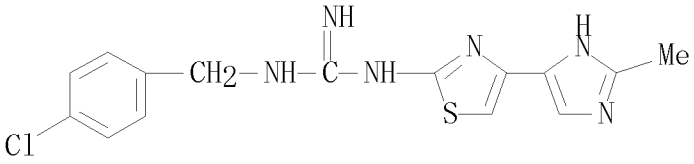
ABSTRACT:
The title compds. [I: R1 = alkyl, R32C6H3, R5(CH2)n; R2 = H, alkyl; R4 = H, alkyl, HOCH2, NH2; R3 = H, alkoxycarbonyl, alkanoyl, Br, Cl, F, iodo, Me, MeO, NO2, NH2, OH, cyano; R5 = (un)substituted Ph, naphthyl, furyl, thienyl, pyridyl, pyrimidinyl, thiazolyl, imidazolyl; X = NH, Y = CH, N; X = S, Y = CH; n = 1-4] were prepared Thus, hexylamine-HCl was condensed with HN(CN)2 to give Me(CH2)5NHC(NH2):NCN which was treated with H2S to give Me(CH2)5NHC(NH2):NCSNH2. The latter was cyclocondensed with BrCH2COCO2Et to give thiazolecarboxylate II. This was converted to its hydrazide and cyclocondensed with MeCSNH2 to give I (R1 = hexyl, R2 = H, R4 = Me, X = NH, Y = N). Selected I are histamine H2-receptor antagonists with pA2 ≥ 6.9 in guinea pig atria tissue; in rats at 30 mg/kg orally, I gave ≥77% inhibition of EtOH-induced ulcers.

IT 101189-68-8P 101189-69-9P 101189-70-2P
101189-71-3P 101189-72-4P 101189-73-5P
101189-74-6P 101189-75-7P 101189-76-8P
101189-77-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as gastric secretion and ulcer inhibitor)

RN 101189-68-8 CAPLUS
CN Guanidine, N-[(4-chlorophenyl)methyl]-N'-[4-(2-methyl-1H-imidazol-4-yl)-2-thiazolyl]- (9CI) (CA INDEX NAME)

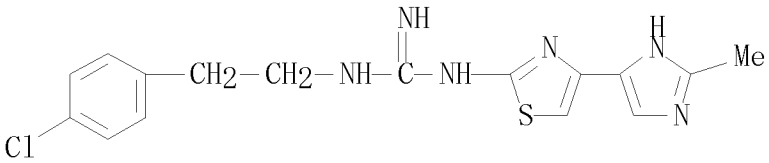


RN 101189-69-9 CAPLUS
CN Guanidine, N-[(4-chlorophenyl)methyl]-N'-[4-(2-methyl-1H-imidazol-4-yl)-2-thiazolyl]-, dihydrobromide (9CI) (CA INDEX NAME)

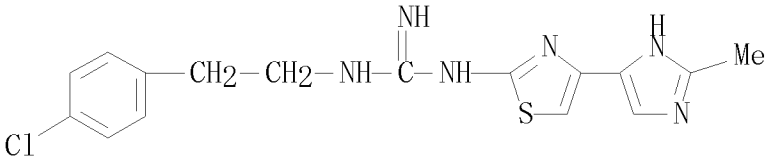


●2 HBr

RN 101189-70-2 CAPLUS
CN Guanidine, N-[2-(4-chlorophenyl)ethyl]-N'-[4-(2-methyl-1H-imidazol-4-yl)-2-thiazolyl]- (9CI) (CA INDEX NAME)

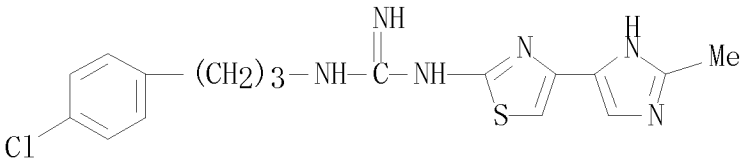


RN 101189-71-3 CAPLUS
CN Guanidine, N-[2-(4-chlorophenyl)ethyl]-N'-[4-(2-methyl-1H-imidazol-4-yl)-2-thiazolyl]-, dihydrobromide (9CI) (CA INDEX NAME)

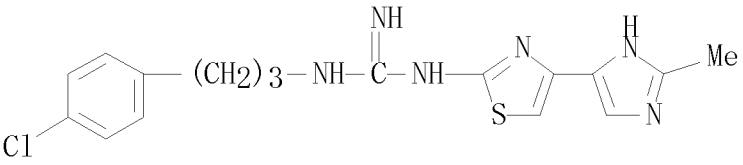


●2 HBr

RN 101189-72-4 CAPLUS
CN Guanidine, N-[3-(4-chlorophenyl)propyl]-N'-[4-(2-methyl-1H-imidazol-4-yl)-2-thiazolyl]- (9CI) (CA INDEX NAME)

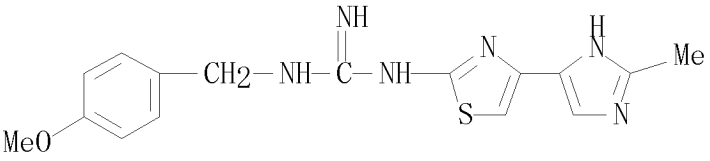


RN 101189-73-5 CAPLUS
CN Guanidine, N-[3-(4-chlorophenyl)propyl]-N'-[4-(2-methyl-1H-imidazol-4-yl)-2-thiazolyl]-, dihydrobromide (9CI) (CA INDEX NAME)

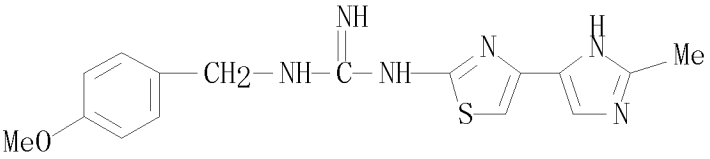


●2 HBr

RN 101189-74-6 CAPLUS
CN Guanidine, N-[(4-methoxyphenyl)methyl]-N'-[4-(2-methyl-1H-imidazol-4-yl)-2-thiazolyl]- (9CI) (CA INDEX NAME)

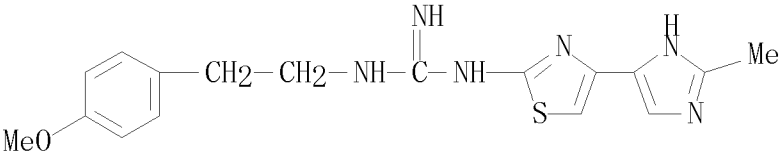


RN 101189-75-7 CAPLUS
CN Guanidine, N-[(4-methoxyphenyl)methyl]-N'-[4-(2-methyl-1H-imidazol-4-yl)-2-thiazolyl]-, dihydrobromide (9CI) (CA INDEX NAME)

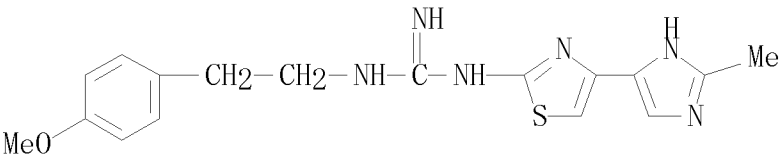


●2 HBr

RN 101189-76-8 CAPLUS
CN Guanidine, N-[2-(4-methoxyphenyl)ethyl]-N'-[4-(2-methyl-1H-imidazol-4-yl)-2-thiazolyl]- (9CI) (CA INDEX NAME)



RN 101189-77-9 CAPLUS
CN Guanidine, N-[2-(4-methoxyphenyl)ethyl]-N'-[4-(2-methyl-1H-imidazol-4-yl)-2-thiazolyl]-, dihydrobromide (9CI) (CA INDEX NAME)



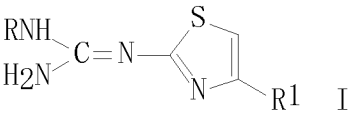
●2 HBr

OS.CITING REF COUNT: 12 THERE ARE 12 CAPLUS RECORDS THAT CITE THIS RECORD (12 CITINGS)

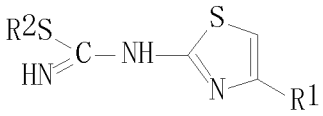
L7 ANSWER 34 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1984:407147 CAPLUS
DOCUMENT NUMBER: 101:7147
ORIGINAL REFERENCE NO.: 101:1222h,1223a
TITLE: N-Substituted guanidinothiazole derivatives
PATENT ASSIGNEE(S): Yamanouchi Pharmaceutical Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 59036674	A	19840228	JP 1982-147274	19820825

PRIORITY APPLN. INFO.: JP 1982-147274 19820825
GRAPHIC IMAGE:



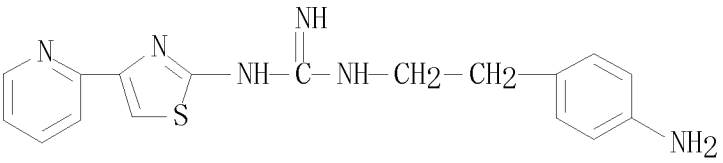
I



@ HX II

ABSTRACT:
Twenty-nine guanidinothiazole derivs. (I; R = alkyl, aralkyl, heterocyclylalkyl; R1 = 2-pyridyl, 2-furyl), effective antisecretory agents at 10-50 mg/kg, were prepared by substitution of II (R2 = alkyl, X = halo) with RNH2. Thus, refluxing 1.0 g II (R1 = 2-pyridyl, R2 = Me, X = I) with 3.2 g 2-(2-aminoethyl)pyridine in EtOH gave 0.75 g I.3HCl [R = 2-(2-pyridyl)ethyl; R1 = 2-pyridyl].

IT 90489-10-4P 90489-12-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 90489-10-4 CAPLUS
CN Guanidine, N-[2-(4-aminophenyl)ethyl]-N'-[4-(2-pyridinyl)-2-thiazolyl]-, trihydrochloride (9CI) (CA INDEX NAME)

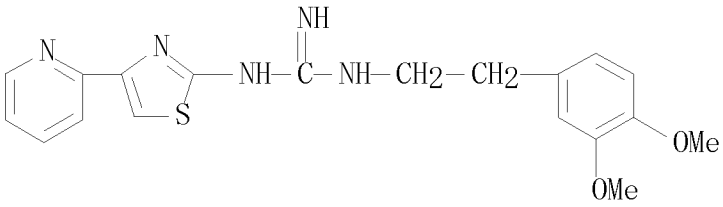


●3 HCl

RN 90489-12-6 CAPLUS
CN Guanidine, N-[2-(3,4-dimethoxyphenyl)ethyl]-N'-[4-(2-pyridinyl)-2-thiazolyl]-, (2Z)-2-butenedioate (1:1) (CA INDEX NAME)

CM 1

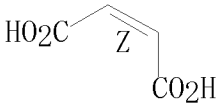
CRN 90489-11-5
CMF C19 H21 N5 O2 S



CM 2

CRN 110-16-7
CMF C4 H4 O4

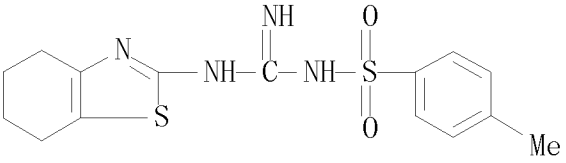
Double bond geometry as shown.



L7 ANSWER 35 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1969:77845 CAPLUS
DOCUMENT NUMBER: 70:77845
ORIGINAL REFERENCE NO.: 70:14525a
TITLE: Fungicides. XV. Synthesis of 2-amino-4,5,6,7-tetrahydrobenzothiazole derivatives and antifungal activity of 2-mercapto- and 2-amino-4,5,6,7-tetrahydrobenzothiazole derivatives
AUTHOR(S): Usui, Yoshiro
CORPORATE SOURCE: Res. Develop. Div., Takeda Chem. Ind., Ltd., Osaka, Japan
SOURCE: Ann. Rep. Takeda Res. Lab. (1968), 27, 96-111
DOCUMENT TYPE: Journal
LANGUAGE: Japanese
ABSTRACT:
1-(3,4-Dichlorophenyl)-2-thiourea (1.1 g.) and 0.7 g. 2-chlorocyclohexanone (I) in 15 ml. EtOH is refluxed 15 hrs. and worked up to give 0.7 g. 2-(3,4-dichlorophenylamino)-4,5,6,7-tetrahydrobenzothiazole, m. 136-8° (dilute EtOH). ClCH2COCl (3.5 g.) is added dropwise to a cooled mixture of 4.7 g. 2-amino-4,5,6,7-tetrahydrobenzothiazole (II) in 20 ml. C6H6 and 1.2 g. NaOH in 10 ml. H2O with stirring, and the whole stirred 2 hrs. and worked up to give 1.6 g. N-(4,5,6,7-tetrahydro-2-benzothiazolyl)-α-chloroacetamide, m. 157-8° (EtOH). ClCO2Et (2.2 g.) is added dropwise to 3.1 g. II and 1.6 g. pyridine in 20 ml. C6H6, and the whole stirred 4 hrs. and worked up to give 2.1 g. Et N-(4,5,6,7-tetrahydro-2-benzothiazolyl)-carbamate, m. 182-3° (EtOH). II (1.5 g.) and 1.2 g. ClCH2CO2Et in 10 ml. EtOH is refluxed 4 hrs., concentrated to half volume, and cooled to give 1.0 g. Et α-[(4,5,6,7-tetrahydro-2-benzothiazolyl)-amino]acetate-HCl, m. 224° (decomposition) (EtOH). II and an equimolar amount ClCH2CONHR in a 7-fold volume of EtOH is refluxed 4-6 hrs. and worked up to give the corresponding α-[(4,5,6,7-tetrahydro-2-benzothiazolyl)amino]-N-(R-substituted) acetamide-HCl (R and m.p. given): Me, 218° (EtOH); Et, 185-7° ; Pr, 195° ;Bu, 200-1° ;n-C5H11, 197-8° ;n-C6H13, 200° ;CH2:CHCH2, 192° ;and PhCH2, 222° . A mixture of 3.5 g. 5-nitrofurfural diacetate, 2.2 g. II, 20 ml. EtOH, and 0.2 ml. concentrated HCl is refluxed 1 hr. and worked up to give 0.3 g. 2-(5-nitrofurfurylideneamino)-4,5,6,7-tetrahydrobenzothiazole, m. 167-8° (EtOH). To 3.1 g. II in 20 ml. EtOH are added 0.8 g. NaOH in 5 ml. H2O and then 3.0 g. CS2, the whole is refluxed 6 hrs., evaporated to dryness in vacuo, 4.8 g. MeI in 20 ml. EtOH added, and the mixture refluxed 4 hrs. and worked up to give 1.0 g. Me N-(4,5,6,7-tetrahydro-2-benzothiazolyl)dithiocarbamate, m. 225° (dilute EtOH). II (1.5 g.) and 2.0 g. BzCH2Br in 20 ml. EtOH is refluxed 8 hrs., concentrated to half volume, and cooled to deposit 2.2 g. 2,3-tetramethylene-6-phenylimidazolo[2,1-b]-thiazole-HBr, m. 287-9° (EtOH). I (2.6 g.) and 2 g. ethylenethiourea in 20 ml. EtOH is refluxed 2 hrs., concentrated to half volume, and cooled to deposit 2.7 g. 2,3-tetramethylene-5,6-dihydroimidazolo[2,1-b]thiazole-HCl, m. 155-60° (hygroscopic); picrate m. 162-3° . A mixture of 2.5 g. II, 1.8 g. KOH, 1.4 g. CS2, and 25 ml. EtOH is refluxed 5 hrs. and worked up to give 0.6 g. 1,3-bis(4,5,6,7-tetrahydro-2-benzothiazolyl)-2-thiourea, m. 255° (pyridine-H2O). II (1.5 g.) and 1.4 g. PhNCS is heated on a water bath to give 2.5 g. 1-(4,5,6,7-tetrahydro-2-benzothiazolyl)-3-phenyl-2-thiourea, m. 192° (EtOH). II.HCl (1.9 g.) and 0.8 g. KCNO in 20 ml. EtOH is refluxed 10 hrs. and worked up to give 0.6 g. 1-(4,5,6,7-tetrahydro-2-benzothiazolyl)urea-HCl, m. 206° (EtOH). I (5.3 g.) and 2.7 g. 2,4-dithiobiuret (III) in 25 ml. EtOH is refluxed 6 hrs., evaporated to half volume, and cooled to deposit 2.4 g. 1-(4,5,6,7-tetrahydro-2-benzothiazolyl)-2-thiourea-

HCl, m. 240° (EtOH). I (5.3 g.) and 2.2 g. III in 25 ml. EtOH is refluxed 6 hrs. and worked up to give bis(4,5,6,7-tetrahydro-2-benzothiazolyl)amine, m. 232-3° (EtOH), and 1-(4,5,6,7-tetrahydro-2-benzothiazolyl)-2-thiourea, m. 123-14° (EtOH). III (2.7 g.) and 2.4 g. ClCH2CO2Et in 20 ml. EtOH is refluxed 30 min. and worked up to give 1.2 g. 1-(4-oxo-2-thiazolin-2-yl)-2-thiourea, m. 220° . H2NCSNH2 (2.5 g.) and 5.2 g. EtI in 25 ml. EtOH is refluxed 4 hrs., evaporated to dryness in vacuo, 5.1 g. II added to the residue, and the mixture heated 40 min. at 120-5° and worked up to give 2.5 g. HI salt of 1-(4,5,6,7-tetrahydro-2-benzothiazolyl)guanidine (IV)-HI, m. 220-3° (H2O); free base m. 192-3° (dilute EtOH); diacetate m. 126° (EtOH). I (2.6 g.) and 2.4 g. guanylthiourea (V) in 20 ml. EtOH is refluxed 1.5 hrs., evaporated to 1/3 volume, and cooled to deposit 2.7 g. IV.HCl, m. 232-4° (EtOH). A mixture of 2 g. IV, 1.9 g. p-MeC6H4SO2Cl, and 0.8 g. pyridine in 20 ml. EtOH is stirred 5 hrs. at room temperature and worked up to give 2.7 g. 1-(4,5,6,7-tetrahydro-2-benzothiazolyl)-3-(p-tolylsulfonyl)-guanidine, m. 201-3° (EtOH). IV (2 g.) and 1.4 g. PhNCS is fused at 140° several min. and warmed on a water bath 1 hr. to give 2.4 g. 1-(4,5,6,7-tetrahydro-2-benzothiazolyl)-5-phenyl-guanylthiourea, m. 168° (EtOH). IV (2 g.) and 2.0 g. acetylacetone in 25 ml. MeOH is refluxed 4 hrs. to give 1.3 g. (4,5,6,7-tetrahydro-2-benzothiazolyl)(4,6-dimethyl-2-pyrimidyl)amine, m. 205-7° (HCONMe2). A mixture of EtONa (prepared from 70 ml. EtOH and 2.3 g. Na), 11.8 g. V, and 13 g. Et acetoacetate is refluxed 1 hr. and worked up to give 10.3 g. 1-(4-hydroxy-6-methyl-2-pyrimidyl)-2-thiourea (VI), m. 232° (HCONMe2H2O). VI (5 g.) in 200 ml. dioxane, 50 ml. HCONMe2, and 3.6 g. I is refluxed 5 hrs. to give 0.6g g. (4,5,6,7-tetrahydro-2-benzothiazolyl)(4-hydroxy-6-methyl-2-pyrimidyl)amine (VII), m. 350° (HCONMe2-H2O), also prepared by refluxing IV and Et acetoacetate in EtOH. Results of antifungal activity of these 2-amino and previously prepared 2-mercapto derivs. are tabulated.

IT 22420-46-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 22420-46-8 CAPLUS
CN Benzenesulfonamide, N-[imino[(4,5,6,7-tetrahydro-2-benzothiazolyl)amino]methyl]-4-methyl- (CA INDEX NAME)



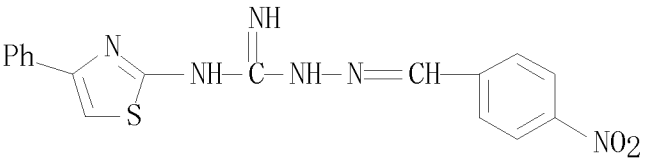
OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L7 ANSWER 36 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1966:499298 CAPLUS
DOCUMENT NUMBER: 65:99298
ORIGINAL REFERENCE NO.: 65:18572a-h
TITLE: Thiazoles. XLVI. Reaction products from 2-thiazolylcyanamides
AUTHOR(S): Beyer, Hans; Pommerening, Klaus
CORPORATE SOURCE: Univ. Greifswald, Germany
SOURCE: Chemische Berichte (1966), 99(9), 2937-43
CODEN: CHBEAM; ISSN: 0009-2940
DOCUMENT TYPE: Journal
LANGUAGE: German
GRAPHIC IMAGE: For diagram(s), see printed CA Issue.
ABSTRACT:
cf. preceding abstract The addition of nucleophilic reactants such as H2S, H2O, PhNH2, and N2H4 to the CN group of the 2-thiazolylcyanamides (I) yielded 2-thiazolylthioureas (II), 2-thiazolylureas (III), 3-phenyl-1-(2-thiazolyl)- (IV), and 3-amino-1-(2-thiazolyl)guanidines (V). The V were converted with AcCH2CO2Et via the hydrazones (VI) to the corresponding 3-methyl-5-pyrazolones (VII). I (R = Ph, R' = H) (VIII) (1 g.) in 70 cc. aqueous (NH4)2S refluxed 0.5 hr. yielded 1.06 g. II (R = Ph, R' = H), m. 211-12° (decomposition) (EtOH). I (R = p-MeC6H4, R' = H) (0.54 g.) refluxed 45 min. with 35 cc. aqueous (NH4)2S as yielded 0.48 g. II (R = p-MeC6H4, R' = H), m. 217° (decomposition) (Me2CO). VIII (0.3 g.) in 60 cc. 25% H2SO4 refluxed 25 min. with 60 cc. 25% H2SO4 gave 0.28 g. III (R = Ph, R' = H) (IX), m. 226° (decomposition) (EtOH). (H2NCS)2NH (X) (1.2 g.) in 30 cc. Me2CO refluxed 1 hr. with 2 g. BzCH2Br gave 2.87 g. IX, m. 228° (decomposition) (EtOH). I (R = p-ClC6H4, R' = H) (0.59 g.) in 100 cc. 25% H2SO4 refluxed 20 min. yielded 0.48 g. III (p-ClC6H4, R' = H) (XI), m. 291-2° (PrOH). X (1.2 g.) in 30 cc. refluxing Me2CO refluxed 0.5 hr. with 2.34 g. p-ClC6H4COCH2Br in 20 cc. Me2CO gave XI, m. 290-1° (decomposition). VIII (1 g.), 0.5 cc. PhNH2, and 25 cc. EtOH refluxed 3 hrs. gave 0.9 g. IV (R = Ph, R' = H), m. 177-8° (EtOH). I (R = p-BrC6H4, R' = H) (1.4 g.) gave similarly 1.34 g. IV (R = p-BrC6H4, R' = H), m. 211-12° (EtOH). The appropriate I (0.03 mole), 3 cc. 100% N2H4.H2O, and about 100 cc. EtOH refluxed 1 hr. yielded the corresponding V (R, R', % yield, and m.p. given): Ph, H (XII), 72, 169-70° ;p-ClC6H4 (XIII), H, 76, 178-9° ;p-BrC6H4, H, 81, 180-1° ;p-MeC6H4, H, 70, 177.5-8.5° ;p-MeOC6H4, H, 79, 175-6° ;p-BrC6H4, Me, 74, 191° ;Ph, Ph (XIV), 50, 174-5° XII (0.58 g.) in 5 cc. hot 50% AcOH treated with 0.38 g. p-O2NC6H4CHO in 10 cc. EtOH and refluxed 0.5 hr. yielded 0.72 g. XV (R = Ph, R' = H), yellow-orange, m. 223-4° (decomposition) (EtOH). XIII (0.54 g.) in 10 cc. 50% AcOH refluxed 15 min. with 0.3 g. p-O2NC6H4CHO yielded 0.63 g. yellow-orange XV (R = p-ClC6H4, R' = H), m. 233-4° (decomposition). XIV (0.31 g.) gave similarly 0.36 g. red XV (R = R' = Ph), m. 250-1° (decomposition). The appropriate XV (0.01 mole) and 1.4 cc. AcCH2CO2Et in 50-200 cc. EtOH refluxed 1-2 hrs. gave the corresponding VI (R, R', % yield, and m.p. given): Ph, H, 77, 127-9° ;p-ClC6H4, H, 80, 148-9° ;p-BrC6H4, H, 72, 144-6° ;p-MeC6H4, H, 76, 151° ; p-MeOC6H4, H, 68, 117-18° ;p-BrC6H4, Me, 74, 156-7° ;Ph, Ph, 80, 133-4° . The appropriate VI (0.005 mole) in about 50-75 cc. EtOH refluxed 15 min. with 20 cc. 5% alc. EtONa gave the corresponding VII (same data given): Ph, H, 98, 186-7° (EtOH); p-ClC6H4, H, 93, 225-6° (EtOH); p-BrC6H4, H, 95, 225-7° (HCONMe2); p-MeC6H4, H, (XVI), 95, 217-18° (PrOH); p-MeOC6H4, H, 69, 212-14° (PrOH); p-BrC6H4, Me, 89, 198° (CCl4); Ph, Ph (XVII), 91, 177-8° (EtOH). XVI (0.63 g.) in 140 cc. refluxing EtOH treated with 0.3 g. p-Me2NC6H4NO (XVIII) in 10 cc. EtOH and refluxed 1.5 hrs. yielded 0.28 g. violet (with green lustre) XIX (R =

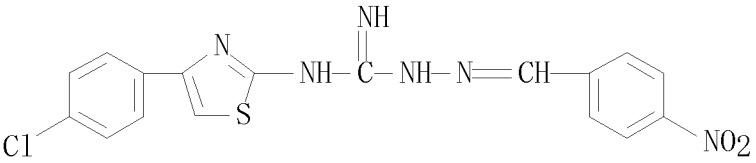
MeC6H4, R' = H), m. 236-7° (C5H5N). XVII (0.59 g.) in 80 cc. hot EtOH with 0.23 g. XVIII in 100 cc. EtOH refluxed 0.5 hr. gave 0.25 g. violet (with green luster) XIX (R = R' = Ph).

IT 7764-63-8P, Guanidine, 1-[(p-nitrobenzylidene)amino]-3-(4-phenyl-2-thiazolyl)- 7764-64-9P, Guanidine, 1-[4(p-chlorophenyl)-2-thiazolyl]-3-[(p-nitrobenzylidene)amino]- 10013-12-4P, Guanidine, 1-(4,5-diphenyl-2-thiazolyl)-3-[(p-nitrobenzylidene)amino]-
RL: PREP (Preparation)
(preparation of)

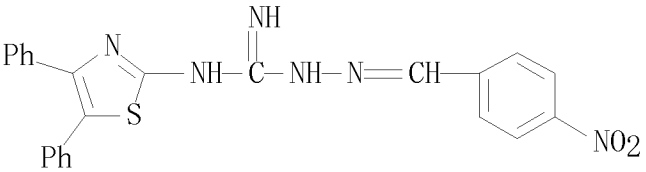
RN 7764-63-8 CAPLUS
CN Hydrazinecarboximidamide, 2-[(4-nitrophenyl)methylene]-N-(4-phenyl-2-thiazolyl)- (CA INDEX NAME)



RN 7764-64-9 CAPLUS
CN Hydrazinecarboximidamide, N-[4-(4-chlorophenyl)-2-thiazolyl]-2-[(4-nitrophenyl)methylene]- (CA INDEX NAME)

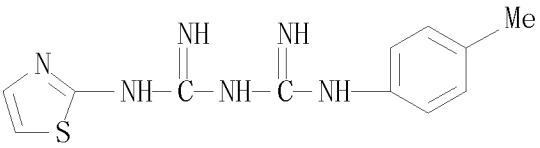


RN 10013-12-4 CAPLUS
CN Hydrazinecarboximidamide, N-(4,5-diphenyl-2-thiazolyl)-2-[(4-nitrophenyl)methylene]- (CA INDEX NAME)



L7 ANSWER 37 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1956:65225 CAPLUS
DOCUMENT NUMBER: 50:65225
ORIGINAL REFERENCE NO.: 50:12184c-e
TITLE: Screening of antimalarials against Plasmodium gallinaceum in chicks
AUTHOR(S): Misra, V. B. G.; Bami, H. L.; Ray, A. P.
CORPORATE SOURCE: Malaria Inst. India, Delhi
SOURCE: Journal of Scientific & Industrial Research (1955), 14C, 173-8
CODEN: JSIRAC; ISSN: 0022-4456
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
ABSTRACT:
Methods described by Singh, et al. (Indian J. Malariol. 6, 145(1952)) were used to determine the antimalarial activity of 91 compds. Nine N1,N5-diarylbiguanides, 4 N1-aryl-N5-alkyl (or heterocyclic) biguanides, 10 dihydrotriazines, and 1 derivative each of guanidine, thiopegene and thiopega-2:9-diene showed activity equal to, or greater than, that of quinine tested under the same conditions. 1(3,4-Dichlorophenyl)-2,4-diamino-1,6-dihydro-6,6-dimethyl-1,3,5-triazine hydrochloride was 512 times more active. The dihydrotriazines in general showed high activity, the halogen-substituted derivs. being the more promising of these. As a class, N1,N5-diarylbiguanides were less active than N1-aryl-N5-alkylbiguanides and dihydrotriazines.

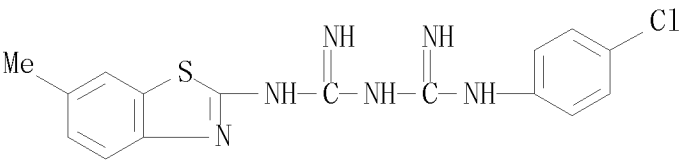
IT 878755-94-3, Biguanide, 1-(2-thiazolyl)-5-p-tolyl-, hydrochloride
(antimalarial activity of)
RN 878755-94-3 CAPLUS
CN Imidodicarbonimidic diamide, N-(4-methylphenyl)-N'-2-thiazolyl-, hydrochloride (1:1) (CA INDEX NAME)



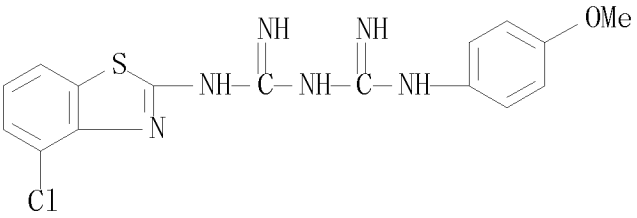
● HCl

L7 ANSWER 38 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1954:22711 CAPLUS
DOCUMENT NUMBER: 48:22711
ORIGINAL REFERENCE NO.: 48:4116h-i,4117a
TITLE: Chemotherapy of malaria
AUTHOR(S): Roy, A. C.; Guha, S. S.; Keshavamurthy, N. K.; Chandrasekhar, G. R.; Menon, K. P.; Guha, P. C.
CORPORATE SOURCE: Indian Inst. Sci., Bangalore
SOURCE: Journal of Scientific & Industrial Research (1953), 12B, 474-80
CODEN: JSIRAC; ISSN: 0022-4456
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
ABSTRACT:
Ninety compds. including 28 in the guanidine series, 39 in the biguanide series, 5 in the triguanide series, and 3 each of the bis(guanidine) and bis(biguanide) series have been screened for their activity against Plasmodium gallinaceum infection in chicks. None of the compds. tested was found superior to paludrine. A few compds. exhibited significant and comparative anti-malarial activity. Although no generalization is attempted the following facts are pointed out. Increasing the number of conjugated double bonds with alternate H and C atoms in guanidine and biguanide systems does not yield better antimalarials. The incorporation of bacteriostatically active sulfa groups in simple guanidine and biguanide systems leads to active compds.

IT 854304-78-2, Biguanide, 1-(p-chlorophenyl)-5-(6-methyl-2-benzothiazolyl)- 858812-91-6, Biguanide, 1-(4-chloro-2-benzothiazolyl)-5-(p-methoxyphenyl)-, hydrochloride 873996-02-2, Biguanide, 1-(2-benzothiazolyl)-5-p-tolyl- 878754-91-7, Biguanide, 1-(2-benzothiazolyl)-5-(p-methoxyphenyl)-, hydrochloride 878754-92-8, Biguanide, 1-(2-benzothiazolyl)-5-(p-chlorophenyl)-, hydrochloride 878755-10-3, Biguanide, 1-(p-chlorophenyl)-5-(6-methoxy-2-benzothiazolyl)-, hydrochloride 878755-21-6, Biguanide, 1-(p-methoxyphenyl)-5-(6-methyl-2-benzothiazolyl)-, hydrochloride 878755-22-7, Biguanide, 1-(6-methoxy-2-benzothiazolyl)-5-p-tolyl-, hydrochloride
(in malaria treatment)
RN 854304-78-2 CAPLUS
CN Imidodicarbonimidic diamide, N-(4-chlorophenyl)-N'-(6-methyl-2-benzothiazolyl)- (CA INDEX NAME)

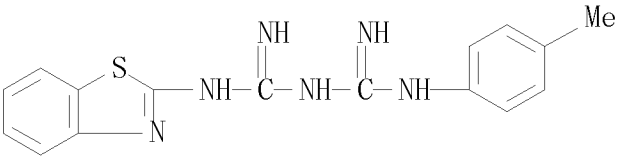


RN 858812-91-6 CAPLUS
CN Imidodicarbonimidic diamide, N-(4-chloro-2-benzothiazolyl)-N'-(4-methoxyphenyl)-, hydrochloride (1:1) (CA INDEX NAME)

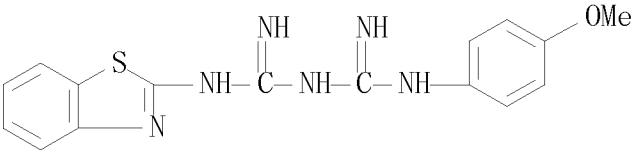


● HCl

RN 873996-02-2 CAPLUS
CN Imidodicarbonimidic diamide, N-2-benzothiazolyl-N'-(4-methylphenyl)- (CA INDEX NAME)

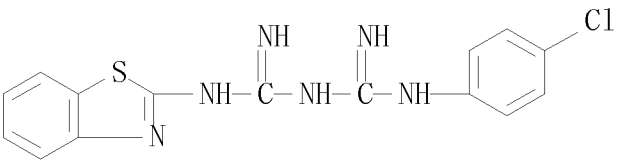


RN 878754-91-7 CAPLUS
CN Imidodicarbonimidic diamide, N-2-benzothiazolyl-N'-(4-methoxyphenyl)-, hydrochloride (1:1) (CA INDEX NAME)



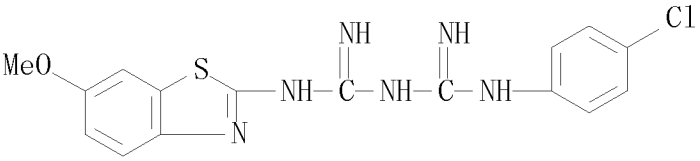
● HCl

RN 878754-92-8 CAPLUS
CN Imidodicarbonimidic diamide, N-2-benzothiazolyl-N'-(4-chlorophenyl)-, hydrochloride (1:1) (CA INDEX NAME)



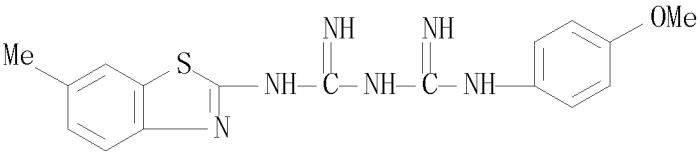
● HCl

RN 878755-10-3 CAPLUS
CN Imidodicarbonimidic diamide, N-(4-chlorophenyl)-N'-(6-methoxy-2-benzothiazolyl)-, hydrochloride (1:1) (CA INDEX NAME)



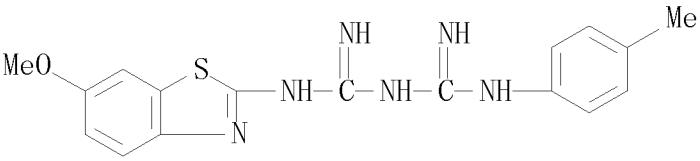
● HCl

RN 878755-21-6 CAPLUS
CN Imidodicarbonimidic diamide, N-(4-methoxyphenyl)-N'-(6-methyl-2-benzothiazolyl)-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

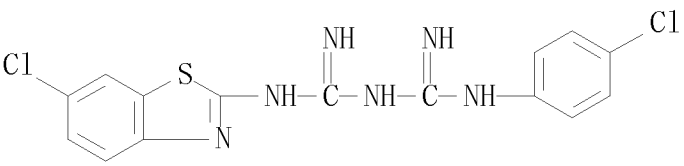
RN 878755-22-7 CAPLUS
CN Imidodicarbonimidic diamide, N-(6-methoxy-2-benzothiazolyl)-N'-(4-methylphenyl)-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

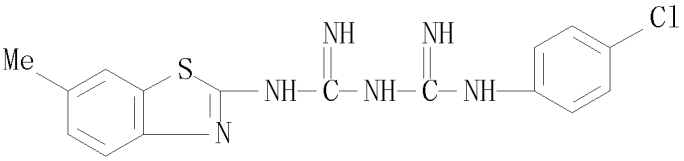
L7 ANSWER 39 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1954:18305 CAPLUS
DOCUMENT NUMBER: 48:18305
ORIGINAL REFERENCE NO.: 48:3345g-i
TITLE: Some 2-benzothiazolyl biguanides as possible antimalarials
AUTHOR(S): Guha, J. R.; Guha, P. C.
CORPORATE SOURCE: Indian Inst. Sci., Bangalore
SOURCE: Current Science (1952), 21, 340-1
CODEN: CUSCAM; ISSN: 0011-3891
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
GRAPHIC IMAGE: For diagram(s), see printed CA Issue.
ABSTRACT:
Biguanide derivs. (I), where R = H, Cl, Me, or MeO and R' = aryl groups have been made from 2-aminobenzothiazole-HCl with the appropriate arylcyanoguanidine in suitable solvents. The biguanides were isolated as stable crystalline mono-HCl salts from which the free bases were isolated by treatment with dilute NaOH and recrystn. from dilute EtOH. None of the compds. synthesized suppressed the activity of Plasmodium gallinaceum malaria in chicks. The I.HCl made included the following (R, R', and m.p. given): H, Ph (free base), 104-5° ;H, p-ClC6H4, 198-9° ;H, p-MeOC6H4, 193-4° ;H, p-MeC6H4, 128° ; Cl, Ph, 196-8° ;Cl, p-ClC6H4, 206° ;MeO, Ph, 195° ;MeO, p-ClC6H4, 199-200° ;MeO, p-MeC6H4, 124-5° ;Me, p-ClC6H4, 203-4° ;Me, p-MeC6H4, 194-5° ;Me, p-MeOC6H4, 187° .

IT 854214-02-1P, Biguanide, 1-(6-chloro-2-benzothiazolyl)-5-(p-chlorophenyl)-, hydrochloride
854214-62-3P, Biguanide, 1-(p-chlorophenyl)-5-(6-methyl-2-benzothiazolyl)-, hydrochloride 854232-43-2P, Biguanide, 1-(6-methyl-2-benzothiazolyl)-5-p-tolyl-, hydrochloride
873996-02-2P, Biguanide, 1-(2-benzothiazolyl)-5-p-tolyl-
878754-91-7P, Biguanide, 1-(2-benzothiazolyl)-5-(p-methoxyphenyl)-, hydrochloride 878754-92-8P, Biguanide, 1-(2-benzothiazolyl)-5-(p-chlorophenyl)-, hydrochloride
878755-10-3P, Biguanide, 1-(p-chlorophenyl)-5-(6-methoxy-2-benzothiazolyl)-, hydrochloride 878755-21-6P, Biguanide, 1-(p-methoxyphenyl)-5-(6-methyl-2-benzothiazolyl)-, hydrochloride
878755-22-7P, Biguanide, 1-(6-methoxy-2-benzothiazolyl)-5-p-tolyl-, hydrochloride
RL: PREP (Preparation)
(preparation of)
RN 854214-02-1 CAPLUS
CN Imidodicarbonimidic diamide, N-(6-chloro-2-benzothiazolyl)-N'-(4-chlorophenyl)-, hydrochloride (1:1) (CA INDEX NAME)



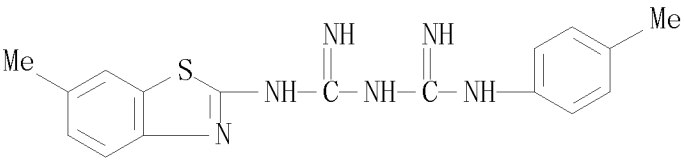
● HCl

RN 854214-62-3 CAPLUS
CN Imidodicarbonimidic diamide, N-(4-chlorophenyl)-N'-(6-methyl-2-benzothiazolyl)-, hydrochloride (1:1) (CA INDEX NAME)



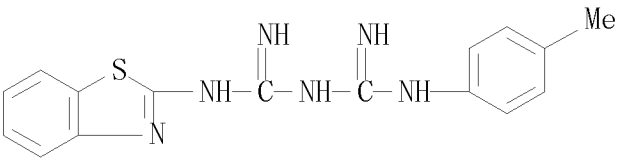
● HCl

RN 854232-43-2 CAPLUS
CN Imidodicarbonimidic diamide, N-(6-methyl-2-benzothiazolyl)-N'-(4-methylphenyl)-, hydrochloride (1:1) (CA INDEX NAME)

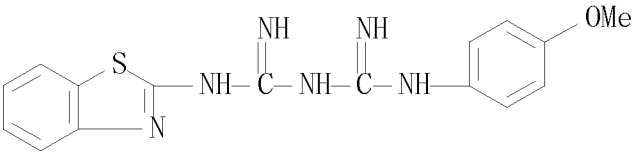


● HCl

RN 873996-02-2 CAPLUS
CN Imidodicarbonimidic diamide, N-2-benzothiazolyl-N'-(4-methylphenyl)- (CA INDEX NAME)

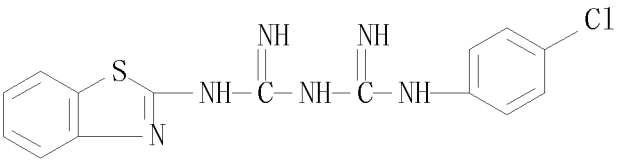


RN 878754-91-7 CAPLUS
CN Imidodicarbonimidic diamide, N-2-benzothiazolyl-N'-(4-methoxyphenyl)-, hydrochloride (1:1) (CA INDEX NAME)



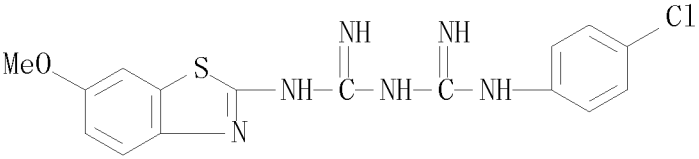
● HCl

RN 878754-92-8 CAPLUS
CN Imidodicarbonimidic diamide, N-2-benzothiazolyl-N'-(4-chlorophenyl)-, hydrochloride (1:1) (CA INDEX NAME)



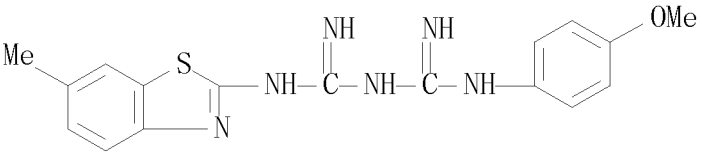
● HCl

RN 878755-10-3 CAPLUS
CN Imidodicarbonimidic diamide, N-(4-chlorophenyl)-N'-(6-methoxy-2-benzothiazolyl)-, hydrochloride (1:1) (CA INDEX NAME)



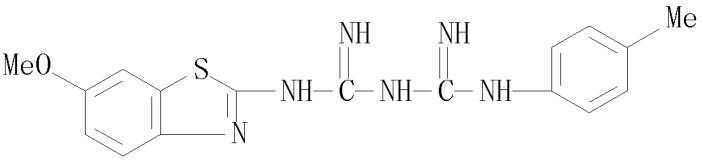
● HCl

RN 878755-21-6 CAPLUS
CN Imidodicarbonimidic diamide, N-(4-methoxyphenyl)-N'-(6-methyl-2-benzothiazolyl)-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

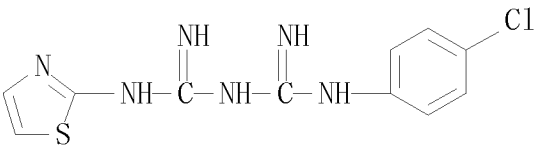
RN 878755-22-7 CAPLUS
CN Imidodicarbonimidic diamide, N-(6-methoxy-2-benzothiazolyl)-N'-(4-methylphenyl)-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

L7 ANSWER 40 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1950:57639 CAPLUS
DOCUMENT NUMBER: 44:57639
ORIGINAL REFERENCE NO.: 44:10933c-e
TITLE: Screening of some biguanide derivatives for antimalarial activity
AUTHOR(S): Singh, Jaswant; Ray, A. P.; Nair, C. P.; Basu, P. C.
CORPORATE SOURCE: Malaria Inst. India, Delhi
SOURCE: Indian Journal of Malariology (1949), 3, 405-12
CODEN: IJMAA9; ISSN: 0367-8326
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
ABSTRACT:
The compds. were tested against Plasmodium gallinaceum in chicks and P. knowlesi in monkeys. The compds. were: 1-[p-chloro (or bromo)-phenyl]-5-[p-phenylsulfonamido]biguanide-HCl, 1-[p-chlorophenyl]-5-[p-2-thiazolyl (2-pyrimidyl, 4-methyl-2-pyrimidyl, or 4,6-dimethyl-2-pyrimidyl)phenylsulfonamido]biguanide-HCl, 1-[p-chlorophenyl]-5-[m-(5-chloro-2-pyrimidyl)phenylsulfonamido]biguanide-HCl, 1-[p-chlorophenyl]-5-[2-thiazolyl]biguanide-HCl, 1-[m-chlorophenyl]-5-isopropylbiguanide-HCl, 1-[p-bromophenyl]-5-isopropylbiguanide-HCl (I), and 1-[2,4-dichlorophenyl]-5-isoamylbiguanide-HCl. I was found to have the most activity coupled with nontoxicity.

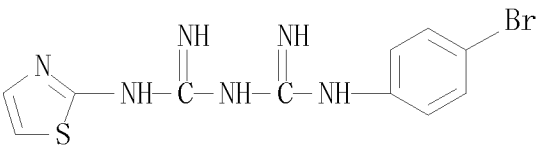
IT 878755-09-0, Biguanide, 1-(p-chlorophenyl)-5-(2-thiazolyl)-, hydrochloride
(antimalarial activity of)
RN 878755-09-0 CAPLUS
CN Imidodicarbonimidic diamide, N-(4-chlorophenyl)-N'-2-thiazolyl-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

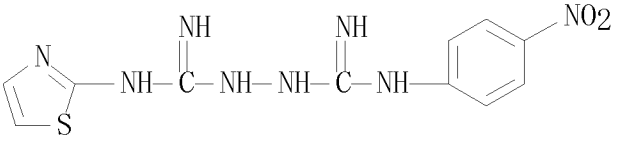
L7 ANSWER 41 OF 41 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1949:31726 CAPLUS
DOCUMENT NUMBER: 43:31726
ORIGINAL REFERENCE NO.: 43:5777c-d
TITLE: Antimalarials: some N1-aryl-N5-heterocyclic biguanides
AUTHOR(S): Bami, H. L.; Guha, P. C.
SOURCE: Science and Culture (1949), 14, 386-7
CODEN: SCINAL; ISSN: 0036-8156
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
ABSTRACT:
By condensing the required arylcyanoguanidine with 2-aminothiazole-HCl, 1-phenyl-5-(2-thiazolyl)biguanides with the following substituents in the para position of the Ph radical were prepared as the HCl salts: H, m. 260° (decomposition); Cl (I), m. 294° (decomposition); Br, m. 183° ;I, m. 285° (decomposition); Me, m. 202° ;MeO, m. 307° (decomposition); NO2, m. 240° (decomposition); H, 2,3-dimethyl, m. 251° . I was slightly active against avian malaria but was toxic. Attempts to condense p-ClC6H4NHC(:NH)NHCN with 4-methyl-2-aminothiazole, 6-methyl-2-aminothiazole, 5-amino-2-chloro-7-methoxyacridine, 2-amino-6-hydroxy-4-methylpyrimidine, 2-amino-6-chloro-4-methylpyrimidine, and 2-amino-4-methylpyrimidine were unsuccessful.

IT 854214-09-8P, Biguanide, 1-(p-bromophenyl)-5-(2-thiazolyl)-, hydrochloride 854230-87-8P, Biguanide, 1-(p-nitrophenyl)-5-(2-thiazolyl)-, hydrochloride 854231-21-3P, Biguanide, 1-(p-methoxyphenyl)-5-(2-thiazolyl)-, hydrochloride 858812-79-0P, Biguanide, 1-(2-thiazolyl)-5-(2,3-xylyl)-, hydrochloride 858813-14-6P, Biguanide, 1-(p-iodophenyl)-5-(2-thiazolyl)-, hydrochloride 878755-09-0P, Biguanide, 1-(p-chlorophenyl)-5-(2-thiazolyl)-, hydrochloride 878755-94-3P, Biguanide, 1-(2-thiazolyl)-5-p-tolyl-, hydrochloride
RL: PREP (Preparation)
(preparation of)
RN 854214-09-8 CAPLUS
CN Imidodicarbonimidic diamide, N-(4-bromophenyl)-N'-2-thiazolyl-, hydrochloride (1:1) (CA INDEX NAME)



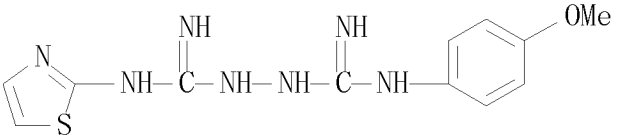
● HCl

RN 854230-87-8 CAPLUS
CN 1,2-Hydrazinedicarboximidamide, N1-(4-nitrophenyl)-N2-2-thiazolyl-, hydrochloride (1:1) (CA INDEX NAME)



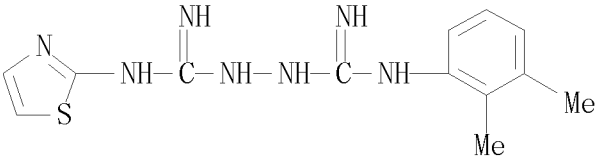
● HCl

RN 854231-21-3 CAPLUS
CN 1,2-Hydrazinedicarboximidamide, N1-(4-methoxyphenyl)-N2-2-thiazolyl-, hydrochloride (1:1) (CA INDEX NAME)



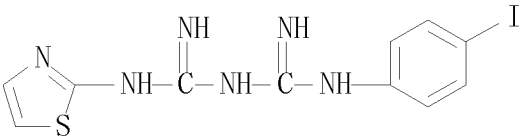
● HCl

RN 858812-79-0 CAPLUS
CN 1,2-Hydrazinedicarboximidamide, N1-(2,3-dimethylphenyl)-N2-2-thiazolyl-, hydrochloride (1:1) (CA INDEX NAME)



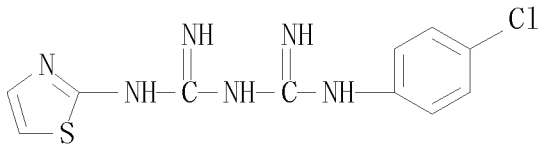
● HCl

RN 858813-14-6 CAPLUS
CN Imidodicarbonimidic diamide, N-(4-iodophenyl)-N'-2-thiazolyl-, hydrochloride (1:1) (CA INDEX NAME)



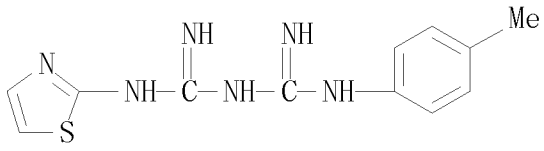
● HCl

RN 878755-09-0 CAPLUS
CN Imidodicarbonimidic diamide, N-(4-chlorophenyl)-N'-2-thiazolyl-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 878755-94-3 CAPLUS
CN Imidodicarbonimidic diamide, N-(4-methylphenyl)-N'-2-thiazolyl-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

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=> d his full

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     FILE 'REGISTRY' ENTERED AT 21:32:41 ON 13 AUG 2010
L1             STRUCTURE UPLOADED
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L2              24 SEA SSS SAM L1
L3             409 SEA SSS FUL L1
               D QUE L3 STAT
L4             293 SEA ABB=ON  PLU=ON  L3 AND CAPLUS/LC
L5             116 SEA ABB=ON  PLU=ON  L3 NOT L4
L6              45 SEA ABB=ON  PLU=ON  L5 AND ED<2/15/2005
               D 1-45 IDE CAN

     FILE 'CAPLUS' ENTERED AT 21:39:41 ON 13 AUG 2010
L7              41 SEA ABB=ON  PLU=ON  L3
               D 1-41 IBIB IABS HIT STR


     FILE HOME

     FILE REGISTRY
     Property values tagged with IC are from the ZIC/VINITI data file
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REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2010

CAplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2010.

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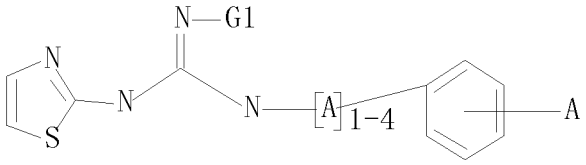
=> d l1
L1 HAS NO ANSWERS
L1 STR



G1 H,O,C,SO2,Cy

Structure attributes must be viewed using STN Express query preparation.

=> log h

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